Canadian Arctic Expedition Records.

R. M. Anderson

Vol. I.

May 27, 1913, to Dec. 31, 1913.

1913.

January

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
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May

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June

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1913

Useful every day in the year

Waterman's Ideal Fountain Pen

Lowman & Hanford Co.

COMPLETE OFFICE EQUIPPERS

616-620
FIRST AVENUE
SEATTLE

July

S	M	T	W	T	F	S
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November

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December

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Canadian Arctic Expedition.

Records.

Volume I.

May 27, 1913, to Dec. 31, 1913.

Rudolph Martin Anderson.

The Geological Survey,
Ottawa, Canada.

2.

1913.

May 27. Tues. Left Ottawa 1:30 a.m. C.P.R. for Victoria, B.C.

May 31. Arrived in Vancouver, B.C. 9:10 a.m. Sailed S.S. Princess Charlotte, arr. Victoria 2:30 p.m. Stayed overnight at Empress Hotel. Members of Expedition here.

Capt. Robt. Bartlett, arrived a few days ago.
Jas. Murray " May 23rd.
D. Janess " May 25th.
Fritz Johansen " May 28th.
Dr. A. Forbes Mackay " May 24th.

Went out to Esquimalt and saw Karluk. Few of our stores have arrived yet.

Victoria British Columbia.

June 1. (Sun.) Moved over to James Bay Hotel this morning. All the other members of the scientific staff are quartered here. Warm, sunshing weather. Rather dry and dusty.

Mr. W.L. McKinley (magnetic observer), Mr. George Hubert Wilkins (cinematographer) and Burt M. McConnell (Stefansson's general utility man) arrived in the city

June 2. (Mon.) Went out to H.M.C. Dockyard at Esquimalt. Met Mr. George Phillips, Naval Store Officer. Mr. Hicks, Chief Clerk. Mr. Stepney. et al.

Victoria, B.C.

June 3. (Tues) Mr. James Murray and myself made out supplementary order for equipment as per memoranda sent by Stefansson to Murray, and also given to me before leaving Ottawa.

Looked up Captain Robert Bartlett at Strathcona Hotel where he is staying and had had breakfast with him at Union Club.

At Navy Yard (Esquimalt) most of the day surveying and checking stores (signing triplicate invoices). Went through most of the Abercrombie (N.Y.) consignment (Army ration, Arbuckle, Camp gear, etc).

June 4. (Wed.) Checking and repacking goods (dividing between Northern and Southern parties).

Finished Abercrombie consignment. Winchester Rep. Arms Co. (rifles, shotguns, and ammunition) and Von Lengerke & Detmold orders O.K.

Ottawa requires details on all but small orders.

Messrs. K.C. Chipman, J.R. Cox and H. Benchet arrive

Victoria, B.C.

June 5. (Thurs.) Interviewed Norris & Co. in regard to sheepskins. They can furnish a quantity of lambskins (untanned) at an average price of 75¢ each. It will take some time to get a special order tanned.

Remainder of day spent checking and dividing Ottawa express consignment. F.B. Webster Co. consignment of taxidermists tools O.K.

Messrs. Jos. Mullock and J.J. O'Neill arrived today.

June 6. (Fri.) Checking and dividing equipment at Navy Yard, Esquimalt.

Victoria, B.C.

June 7. (Sat.) Checking and dividing goods most of day. Bought (inspected) large bill of goods, (cloth, hardware, etc.) in town. Lunched with Mr. Canuck at Pacific Club. Mr. V. Stefansson arrived today, having gone west via Wynyard, Saskatchewan, and Edmonton.

Began loading of Karluk today pursuant to urgent telegram from Stefansson. Provisions went aboard first. Tried to have stores for Northern and Southern parties stowed away separately to avoid confusion in discharging, but was unable to have it done. Captain Bartlett says that everything will have to be taken out again either at home or at Herschel Island. Mate Jas. F. Allen is in charge of the loading. A space is being reserved in the front of the forehold for the scientific equipment and miscellaneous gear (excluding provisions) of the Southern party.

Victoria. B.C.

June 8. (Sun.) Meeting of all members of the Expedition called by Mr. Stefansson at James Bay Hotel. General discussion of ways and means lasting throughout the whole forenoon. Stefansson suggests that all private as well as scientific diaries journals and notes made by members of the expedition must be turned over to the government upon the return of the expedition — the reason assigned being that every written word should be examined and searched for material which might be of ethnological value, scientific specialists in other lines not being considered competent to judge as to what they are willing to put on record officially or to publish. General disapproval was expressed in regard to the proposition — the sentiment being that if such rules were adopted, there would be a feeling of repression, and very little written outside of the technical work of each specialist. Matter was dropped without settlement

Victoria, B.C.

June 8. (Sun.) Went out to Navy Yard in afternoon. Talked considerable business unofficially. Had tea with Mr. and Mrs. Geo. Phillips at their home. Met Messrs. Modcie and Monteith, R.N., of H.M.S. Algerine, which is lying in the harbor.

June 9. (Mon.) At Navy Yard, Esquimalt, all day, checking up and dividing stores for northern and Southern parties. Divided Geo. Gibbs' (Mannlicher rifle) consignment; also Burberry's (clothing, etc), Silver's (tents, waterproof boxes, etc); Negrette & Jambra's (instruments — compasses, thermometers, etc); Andrew J. Lloyd's (snow-glasses and optical goods). Mr. Stefánsson engaged Mr. Bjarne Mamen, a young Norwegian, 22 years old, (but with previous experience on Spitzbergen Expedition) as Assistant topographer on the Northern party.

Victoria, B.C.

June 10. (Tues.) Received official communication from the Geological Survey, Ottawa, submitting some new terms, or orders, in regard to which nothing has been heretofore mentioned, either by Mr. Stefánsson or the Ottawa authorities — viz. retention of all written notes by the Survey, suppression of news, restrictions on correspondence, and limiting writing for one year after return.

Victoria, B.C.

June 11 (Wed.) Surveying and checking stores at Navy Yard.

June 12 (Thurs.) Surveying and checking stores at Navy Yard.

June 13 (Fri.) Lunch given to members of Canadian Club of Victoria, at rooms of Alexandra Club. Speeches by president of the Club, by V. Stefánsson, Capt. Robert Bartlett. Visited studio of Mrs. Mary R. Hamilton for a short time after lunch and saw some very interesting paintings and studies.

Checking stores at Navy Yard all forenoon and during remainder of the afternoon. Mr. Phillips, Mr. Stepney and others have been very kind in putting themselves to considerable trouble by allowing us to work overtime at the Navy Yard (i.e. after their usual hour for quitting work at 5:00 p.m.).

Victoria, B.C.

June 14. (Sat.). "Karluk" loading. Most of provisions went into hold. Lower hold was filled with 100 tons of coal previously. Working hard, all hands, to get scientific apparatus and miscellaneous stores ready, as they are to go in last. Picnic on sea beach 7:00 to 11:00 p.m. — all members of the Expedition present except Dr. Mackay and Mr. Mamen.

June 15. (Sun.). Sorting stores in Ordnance warehouse all morning preparatory to tomorrow's loading. Sir Richard McBride, premier of British Columbia, Mr. —— Speaker of the House, and Mr. Macrae visited the Karluk. Rain in the afternoon.

Victoria, B.C.

June 16 (Mon.). Finishing loading of C.G.S. "Karluk". Lunch to members of the Expedition at Empress Hotel, given by members of the Government of British Columbia. Speeches by Sir Richard McBride, V. Stefansson, and Capt. Robt. Bartlett. Karluk moved to coaling wharf and started putting on 100 tons deck load of coal. Flags presented by Mayor Morley in behalf of the city of Victoria.

June 17 (Tues.). Karluk finished coaling and spent a large part of day adjusting Compass with help of officers of H.M.C.S. Rainbow. Scientific staff on board about 6:00 p.m. Everybody cinematographed. Karluk visited by Lieut-Governor Paterson and Sir Richard McBride. Flags presented by Canadian Club of Victoria. Karluk steamed around the bay and was saluted by H.M.S. Algerine and H.M.C.S. Rainbow. Karluk anchored outside for some time and sailed late in the evening.

Victoria, B.C.

June 18. (Wed.) At Navy Yard in afternoon. Very hot day. Much dust. Mr. Stefánsson, Mr. and Mrs. James Murray, Mrs. Anderson and myself are staying over until the S.S. Victoria sails from Seattle for home on July 1st. The "Karluk" goes by the "Inside Passage" and we expect to have time to finish up business matters here and reach home about the same time the "Karluk" arrives there.

June 19. (Thurs.) Rain in afternoon and evening. Working on papers, accounts, and correspondence all day. Report in evening that some steamer had seen Karluk anchored in Duncan Bay.

June 20. (Fri.) Clear, bright day. Working on papers.

Victoria, B.C.

June 21. (Sat.) Working all day checking up "Triplicate Supply Notes" of supplies for Karluk. Brought Index Book of Supplies up to date, including Supplementary Local Purchase Orders.

June 22 (Sun.) Some more work done on above.

June 23 (Mon.) Finished adding up Invoice Index. Summary of Staple Bulk Foods on "Karluk"

Bread	20,248 ¼ lbs.	Beef	6840 lbs.
Flour	44,398 "	Pork	1000 "
Rolled Oats	1,400 "	Bacon	551 "
Cornmeal	1,300 "	Ham	748 "
Rice	5,500 "	Lard etc.	14,080 "
Total Cereal	72,846 ¼ lbs.	Remnants	13,303 "
			36,522 "

Dried fruit	1,810 lbs.	Sugar	5300 lbs.
Chocolate	2,448 "	Molasses	443 ⅓ gals.
Coffee	500 "	Beans	1500 lbs.
Tea	1340 "	Peas	300 "
Tobacco	3266.		

Victoria. B.C.

June 24. (Tues.) Stefansson announces a new plan today – viz. that all supplies now on board of the Karluk be retained there, that instead of three years supplies for both parties, he considers it necessary to have the "Karluk" provisioned for five years stay in the Arctic, in case the ship is caught in the ice; and that all provisions for the "Alaska" (the Southern party must be purchased in Seattle this week and shipped to Nome by freight. I do not concur in this arrangement, partly because I have spent a good deal of time the past few months testing and arranging for the purchase of various kinds of condensed foods; expecting that the division I am to be connected with should have a share of them, instead of having to take chances on groceries picked up on short order at Seattle and Nome; and also because I believe that five years supplies are an unnecessary expense, as if the ship is caught in pack, she will

Victoria, B.C.

June 24 (Tues). scarcely be able to save a large proportion of the stores in any event

June 25 (Wed). Arranged that Stefansson should go to Seattle with Mr. Hicks to purchase additional supplies. Mr. Hicks (Chief Clerk from the Navy Yard, Esquimalt) goes to arrange the technicalities of purchase according to the Navy Yard rules.

June 26 (Thurs) Mr. Stefansson, Mr. Hicks, with Mrs A and Miss Allen and Miss Wesiner went over to Seattle on "Princess Charlotte". Mrs. A. went over to visit her aunt and other relatives and friends in Seattle.

Mr. George Phillips, Naval Store Officer has obtained permission from the Department of the Naval Service, to go to Nome with us to help arrange the final transfer of Schooner "Alaska" and the purchase of additional supplies.

Victoria, B.C.

June 27 (Fri.) Went out to Navy Yard and cleared up last of papers. Tea at Mr. Phillips' house.

June 28 (Sat.) Sick in forenoon – stomach trouble and headache. Mr. and Mrs. Jas. Murray and myself came to Seattle on "Princess Charlotte" (4:30 p.m. to 8:45 p.m.). Supper with Mr and Mrs. J.H. Brownlee (of Vancouver), Dr. and Mrs. Whiting (formerly of Nome), and Mr. and Mrs. Philip D. Macbride. Stayed at Hotel Frye, 3rd Ave. Seattle, Wash., U.S.A.

June 29 (Sun.) At hotel during forenoon. In afternoon called on Rev and Mrs. R.C. Glass (old college friends of my parents), and their two daughters Misses Rose and Florence. Later called on Dr. and Mrs Paul Wood (met Dr. Eugene Kelley, State Commissioner of Health. Dinner at P.D. Macbrides; Prof. and Mrs Bolton (of Iowa) also there.

June 30 (Mon.) Breakfast at Arctic Club with Mr and Mrs. J.A Brownlee Lunch at College Club. Went out to U. of Washington in afternoon with P.D. Macbride, A.C. McLane and Merritt Brackett. The Macbrides had dinner with us Saw Everett Couch (now teller at Union Savings and Trust Co

Seattle, Wash., U.S.A.

July 1. (Tues.) Sailed on S.S. Victoria for Nome at 3:30 p.m. Ship was scheduled to leave at 10:00, but date was postponed. Mrs. Anderson accompanies me to Nome and expects to return on the "Victoria". Mr. Stefansson and his two stenographers, Mr. and Mrs. James Murray, and Mr. Jea Phillips are on the ship. I have been under the weather practically all the time since leaving Victoria, stomach and bowel trouble and frequent headaches.

North Pacific Ocean

July 2. (Wed.) Fine weather. Only a very slight swell. Run up to noon today (since leaving Seattle), 265 miles.

Black-footed Albatross (nigripes) A few following the ship, often coming quite near. The white face (area around base of bill) is the most conspicuous mark of this bird.

Gulls – none seen

North Pacific Ocean:

July 3. (Thurs.) Fine weather. Very slight swell. No Albatrosses seen today.

On board are Mr Frank H. Waska, (former delegate to congress), Judge B.S. Roday (district attorney), E.R. Jordan (U.S. Marshal 2nd district). Dr. Young (agent of the Presbyterian Board of Missions), Prof. Henry W. Elliott (fur-Seal expert).

July 4. (Fri.) Clear most of the day. Small celebration. Light NE winds. Some cross swell. Wrote up some notes. Checked up some invoices with Mr. Phillips.

Whales - Saw several whales during the forenoon - Killer (?) whales, with high, sharp dorsal fin.

North Pacific Ocean.

July 5 (Sat.) Met Prof. Henry W. Elliott and Mr. Gallagher, who are going up to the Pribilof Islands to investigate the Fur-Seals for the U.S. Government. Mr. Elliott loaned me his books "A Monograph of the Seal Islands of Alaska. Spec. Bull. 76. U.S. Com. of Fish and Fisheries. 1882. Report upon present condition of the Fur-Seal Rookeries of the Pribilov Islands of Alaska. 1890. Also loaned me a bunch of documents, Congressional Committee reports bearing on the Fur-Seal question, very thoroughly annotated and underscored by Mr. Elliott. He seems to disagree very radically with David Starr Jordan, F.A. Lucas, Richmond, Hornaday, et al. Mr. Elliott believes that the Fur-Seals should be absolutely protected from further killing and believes that the present close season (until 1900) should be much extended.

Foggy morning.

North Pacific Ocean – Bering Sea.

July 6. (Sun.) Slightly foggy most of the day. Sighted Aleutian Islands towards evening. Passed through Unimak Pass. Boat from U.S. Revenue Cutter took off Mr. H. W. Elliott and Mr. Gallagher early in the morning (about 2:00 a.m.) The cutter had been called up by wireless message from the Victoria.

Numbers of Murres, Puffins and Auklets seen, but not near enough for accurate identification.

July 7. (Mon.) Foggy most of the day and night. Numerous flocks of Murres, Puffins etc. and a few Gulls seen.

July 8 (Tues.) Thick fog most of the day, but cleared up a little in the evening. Spent time writing up some notes on Arctic mammals.

Nome, Alaska

July 9 (Wed.) Clear and bright all day. Sea smooth. Arrived at Nome about 3:00 a.m. The "Karluk" had also arrived shortly after midnight. Went ashore in Thos. Bosi's launch after breakfast. Members of Expedition staying at Golden Gate Hotel (rooms only). Secured board at Mrs Rem's boarding house near hotel. Met Judge Lomen (former resident of Winneshiek County Iowa – my birthplace – and an old friend of our family). Mr. E. de K. Leffingwell is here – arrived on S.S. Senator

Ships here – U.S. Revenue Cutter "Bear" P.J. Abler, Polar Bear, and others – S.S. Senator has left.

Some of cargo, destined for southern party, discharged from "Karluk".

Nome, Alaska.

July 10. (Thurs.) Clear bright morning. Went on board "Karluk" at 2:00 p.m. and spent most of afternoon checking up stores which are to go ashore.

Lieut. Scott, Lieut. Rogers and Dr. Wilkins (surgeon) of U.S.R.C. "Bear" came on board the "Karluk".

Nome, Alaska.

July 11 (Fri.) Went on board "Karluk" in morning and remained until after 8:00 p.m.. Spent most of forenoon in fore hatch checking out cases of dog biscuit, lard, milk and Dehydro products.

Spent the afternoon in after hold moving stuff and attempting to find Mauchiher ammunition supposed to be there. No success, although we found unexpected things wedged into all sorts of crevices. The "Karluk" was very closely packed - boxes and cases wedged in as tightly as possible and the crevices chinked up with cans of all sizes - many boxes of canned fruit, milk, etc. having been broken up to save space in packing.

It was a standing wonder at Esquimalt that the stores there were packed into the ship, but it is a very difficult job to get anything out of the hold. Mr. Jas. F. Allen the Chief Mate, who supervised the loading, left the ship at Esquimalt, - and the present mate does not know the whereabouts of all stuff.

Nome, Alaska.

July 12 (Sat.). Clear, bright, hot morning. Inspected goods, dogs, etc. Mr. Stefansson, through "Scotty" Allen has purchased about thirty dogs — some of the best dogs around Nome, at an average price of $30.00

In afternoon, Captain Bartlett, and several other members of the expedition helped sort out goods shipped from Seattle on steamers "Senator" and "Victoria".

The Mannlicher ammunition is still lost. Dr. O'Neill and I spent some more time on the Karluk searching for it further. No rifles seem to be at hand for the southern party except Winchester .44's and .22 Automatic (+ three Ross rifles — rather a poor situation to be in for a division expected to "depend largely on the game of the country".

Nome, Alaska.

July 13 (Sun.) Cloudy morning. Down at dock at 8:00 a.m. Took out six W.C.F. .30-30 Carbines for southern party. Remainder of goods for Northern party (Karluk) out of Seattle consignments and Nome purchases went on board "Karluk"

"Karluk" sailed about 1:00 p.m. for Port Clarence to make repairs intention is to blow down boilers, repair water tanks, etc. Remainder of supplies, dogs, etc, to go to Port Clarence later with Mr. Stefánsson on S.S. Corwin.

Checked up some more invoices.

In evening called upon Mr. and Mrs. Darling. Met Mrs. Schofield of the Home Board of Education. Mrs. Grace Birdsall Darling is the author of "Up in Alaska" "Baldy of Nome," and other stories.

Nome, Alaska.

July 14 (Mon.) Stefansson announced today that estimates of space, based on tonnage of "Alaska" and the amount of goods on the wharf, show that the schooner has room for only about half of our equipment. The greater part of the scientific staff is to be with the Southern party, and much of their equipment is bulky - particularly a number of large crates for cinematographer. Marine biological equipments are numerous and bulky. The provisions are also necessary. Spent all afternoon sorting out equipment which is considered most necessary for the present year - to be carried on Schr. "Alaska" - the remainder to be shipped to Herschel or Baillet Island by S.S. Belvedere or some other vessel.

Assisted all afternoon by O'Neill, Cox, Chipman, and Johansen.

Nome, Alaska.

July 15 (Tues). Spent forenoon working on papers which must be forwarded on S.S. Victoria. S.S. Victoria arrived in the evening from St. Michaels with Seattle Chamber of Commerce excursionists. Friends on board, Mr. and Mrs. Leonard H. Davis (artist) and Mrs. Alice Harriman (N.Y. publisher). Reception and dance in Eagle Hall. Supper at 1:30 a.m. (Wed.) with Mr. and Mrs. Darling at their home. Mr. Phillips, Scotty Allen, Maj. Gen. Richardson U.S.A., (Commissioner of Roads) were present.

Nome, Alaska.

July 16. (Wed.). Celebration today (general holiday) in honor of Seattle Chamber of Commerce excursionists — water sports, Eskimo Kayak and umiak races, etc., but I did not have time to go and see them. Finished up paper work and manuscripts. Gave Mrs. Anderson power of attorney, duplicate manuscript for Macmillans, etc..

Mrs. Anderson sailed for home on S.S. Victoria, with the excursionists. Victoria expects to visit Seal Islands and other points of interest and return by way of the "Inside Passage." The Company's agent sold her return ticket stateroom on Victoria, then sold the whole upper deck en bloc to the Seattle Chamber of Commerce, and she had to take very inferior accommodations below.

Very thick fog — the worst ever seen by Capt. J. Ross of U.S. Life Saving Station.

Schr. "Alaska" arrived from North 8:00 p.m.

Saw Spectacled Eider & Pacific Eider.

Nome, Alaska:

July 17 (Thurs.) Stefansson, Mr. Phillips, Capt. Nahnsens, Mr. Blue and myself went on board Schr. Alaska in the morning. The purser in charge of schooner stated that everything was in first-class shape except that one propellor blade needed straightening and engine needed re-Babbetting. It was decided that this could not be done in the Nome roadstead and it would have to be done at Port Clarence (Grantley Harbor).

Started loading in afternoon and worked until midnight, at which time ship was filled except for deckload of distillate.

Daniel Wallace Blue, of Nome, signed as engineer at $100.00 per month.

Gasoline schooner "Mary Sachs" of Nome was purchased from the owner Peter Bernard, as an auxiliary ship for the expedition. Captain Peter Bernard was engaged as master.

Nome, Alaska.

July 18 (Fri.). Bought lumber for a small house for winter quarters and scantling for a frame for a store house, from J. A. Parry.

Bought an assortment of miscellaneous tools and hardware from Darling & Dean. Mr. Blue (engineer) selected a lot of engine room tools. The "Alaska's" engine room was practically stripped of tools before she was delivered to us. The former engineer removed most of the tools claiming that they were personal property. Bought new deck tarpaulin. Bought nets, twine, &c. from Samuels. Engaged Charles J. Brooks, through Captain Nahmens recommendation as cook and general utility man at $65 per month. "Mary Sachs" loading today. Supper at Mr. and Mrs. Darling's.

Found out at Teller that the missing deck tarpaulin as well as Hedges anchor of "Alaska" had been taken off at Teller and stored in Judge Woods' storehouse just before Alaska came to Nome.

Nome, Alaska:

July 19. (Sat.) Clear a.m. Light breeze. Got out set of engine room tools to "Alaska"; also fresh groceries and vegetables purchased for two months' summer voyage. Capt. Nahmens had a fight on the beach with Capt. Tom. Ross and had one eyebrow cut open. Nahmens claimed that Ross refused to take out goods to "Alaska" without unnecessary delay, and that he hired the Beach Boat House to take out some of the stuff.

Clear a.m. Light breeze. Rain in afternoon and eve.

Breeze freshening all day. "Alaska" finally got under way for Teller at 4^30 p.m. (Nahmens, Blue, Brooks and Olsen).

Banquet to members of Expedition by "Eric" (Log Cabin Club) at 8:00 p.m. — a very fine dinner, with numerous toasts and speeches, lasting until an early morning hour.

Rain in afternoon and all night.

Nome, Alaska.

July 20. (Sun.) Rainy, foggy weather all day. Strong SW wind. Heavy surf pounding on beach all day. High tide.

Rainy. Strong SW wind. Mr. George Phillips and I visited Thorolf Lehmann in the morning, in regard to groceries purchased yesterday for Alaska. Lehmann stated that Mr. Stefansson had authorized Chas. Brooks, cook, to order fresh vegetables and groceries enough for two months' summer cruise, to obviate necessity of breaking into preserved foods stored in hold.

Went over bills of John J. Sesnon Co. with Mr. Elwood, for lighterage, transfers, and storage, also bill for repairing launch damaged by jamming of "Alaska."

Wireless to press from S.S. Victoria stated that ship had left Pribilof Islands on Saturday afternoon.

Lapland Longspurs - fairly common on outskirts of town.

Mosquitoes - very few seen

Nome, Alaska.

July 21. (A.M.) Strong SW wind all day.

Strong SW wind all day.

Strong SW wind all day, moderating towards evening. Made arrangements for purchase of supplies for southern party next two years.

200 sacks flour (10,000 lbs).
5000 lbs. sugar.
1000 gallons coal oil (Kerosene).
500 " Gasoline.
20 tons coal.

All of above to be shipped to Herschel Island, care of Royal North West Mounted Police.

Nome, Alaska.

July 22. (Tues.) Light off-shore wind in morning.

Light off-shore wind in morning.

On board "Mary Sachs" all forenoon supervising unloading off stuff to be transshipped on "Belvedere" to Herschel Island.

Went ashore in afternoon to arrange some business matters.

Goods with John J. Semon Co., to be shipped to Herschel Island on Belvedere.

	Wt. in net		
29 bbls. Beef.	161	1 box Supplies	20.
78 cases Dog biscuit	182.	2 cases plaster	16.
5 " Peas	25.	1 drum Ca Cl	2.
5 " Beans	25.	1 Case Burberry Cl.	1.
3 " Rice	17	1 " Books	6.
7 " Y. Cornmeal	14.	1 " Tinware	30.
11 " Oatmeal	27.	1 " Gas. Lt. Eq.	84.
5 " Pea Meal	10.	2 Cookers.	
5 " Dried Apples	8	200 sacks flour	
5 " Chocolate	10.	1500 lbs. sugar.	
		1000 Gals. Cod oil	
		500 " gasoline.	
		70 tons coal.	

Finished loading of "Mary Sachs" at 9:30 p.m. Went on board about 7:00 p.m. and did not go ashore again. Capt. Bernard went ashore to get crew signed on. Stefansson came out in last launch with some dogs, and went back again.

Nome — Port Clarence, Alaska

July 23 (Wed.) Cloudy.

Sailed from Nome on Schooner "Mary Sachs" about 12:30 a.m.; pretty heavily loaded: Deck load of distillate, gasoline, 10 sleds, 8 dogs, etc, Etc.

Passed Sledge Island 4-5:00 a.m. Abreast Government Survey Mark (Port Clarence sandspit at 6:00 a.m. (7 miles to end of sandspit, then 7 miles to village.

Owned by "Mary Sachs":

Peter Bernard, Master.

Jas. R. Crawford, Engineer.

Chas. Thompson, Cook, Steward (with wife and child).

Fred Ellick (Cape Pr. of Wales Eskimo)

Mr. E. de K. Laffingwell.

" K. C. Chipman.

" J. K. Cox.

" Fritz Johansen.

" B. M. McConnell.

" R. M. Anderson.

Teller, Alaska.

July 24. (Thurs.) Rained a.m. Calm p.m. & cloudy Rain.

Arrived at "Karluk's" anchorage off Teller Reindeer Station (Mission) at 1:00 a.m. and tied up alongside. Put seven sleds, some parcels, and a few dried salmon aboard the Karluk. Took off six Winchester .30-30 rifles, 3 cases Hammerless ammunition, brass shotgun shells, etc. Sailed to Teller about 9:00 a.m.

Saw one Scaup Duck (Marila marila) and a Willow Ptarmigan hanging in rigging of "Karluk". Dr. Mackay had seen a Brown Bear a few miles inland. Arrived Teller 10:30 a.m.

"Alaska" had arrived today 4:30 a.m. with Engine in bad shape. Deck cargo was unloaded and schooner tied alongside wharf. The "Alaska" had met bad weather, lain behind Sledge Island 32 hours, and then drifted nearly to Cape York - hove to part of the time.

Teller, Alaska.

July 25 (Fri.). Clear at 7:00 a.m. Calm. Sprinkles of rain in afternoon and evening.

Clear a.m. Calm. Rain p.m. and evening.

S.S. "Corwin" arrived in the morning with Mr. Stefansson, Mr. and Mrs. Murray, and the stenographers.

Took 200 gallons (10 drums) of coal oil from Schr. "Mary Sachs". The galvanized drums which were made in Nome are too light, and one was leaking badly. Gave "Mary Sachs" some of our deck-load stores, also a good share of our fresh stores for "Karluk".

Stefansson decided to send Mr. K. C. Chipman as far as Herschel Island on "Mary Sachs," to command the schooner as Captain P. Bernard is not a navigator.

Engine of "Alaska" is in bad shape - cylinders and bearings. 2nd. Engineer Williamson, from "Karluk", helping Mr. Blue all day taking Engine apart.

Teller, Alaska

July 26 (Sat.) Cloudy a.m. Sprinkles of rain all day. "Karluk" is staying over one day to allow 2nd Engineer Williamson to help Mr. Blue with Alaska's Engine. The bearings have been allowed to heat and are badly worn. All the bearings need re-Babbitting.

Cloudy a.m. Rain.

Rain all night.

Schr. "Mary Sachs" with Mr. Stefansson, Murray, McConnell and Wilkins got away from Teller about 11:30 p.m.

Teller, Alaska

July 27 (Sun.) Cloudy a.m. Sunshine occasionally. Warm. "Karluk" and "Mary Sachs" left Reindeer Station at 4:00 a.m.

Cloudy a.m. Sunshine occasionally. Warm. Captain Martin, the aviator who recently came down the Yukon, arrived at 8:00 a.m. on launch from S.S. St. Helen's, anchored outside. He had brought his aeroplane on St. Helen's and was very anxious to see Stefansson, saying that "No modern Expedition Complete without an aeroplane ---- biggest newspaper advertising by making first flight across Bering Straits from America to Asia." He telephoned up to Cape York to try to get a boat to intercept the Karluk, but apparently did not succeed.

Engineer ran Babbitt metal on two forward bearings.

Gulls — numerous — Glaucous, and Glaucous-winged.

Arctic Terns — common.

Semipalmated Sandpipers — a few seen.

Parasitic Jaegers — two or three seen.

Lapland Longspurs — a few seen

Teller, Alaska-

July 28 (Mon.) Sunshine W. wind.

Sunshine. Strong West wind all day. Mr. Ivar Gruiker, Captain and owner of Tug "Seddon" helped with "Alaska's" Engine all day. Babbitted the two after shaft bearings. Cleaned the three cylinders - pistons full of dirt and gummed oil. Bearings of third cylinder with oil-holes plugged and bearing dry and rusty - had not seen oil for a long time. Water jackets full of sand and silt. Covered machinery underneath Cylinders, and forced water through jackets, at the same prying and digging dirt loose with wire probes.

"Hattie B." arrived from the north in early morning; reported seeing "Karluk" and "Mary Sachs" in the Straits.

Snow Buntings - seen on beach.
Jaegers, Terns and Gulls - a few seen in harbor.

July 29 (Tues.). Clear. Warm. Strong N. wind.

Worked all day on engine. Had some difficulty in getting parts adjusted properly as some pieces had been mixed up in cleaning. Automatic oil feed could not be made to work well; otherwise the engine, uncoupled from propellor shaft, worked very smoothly.

Paid Joe Grinaker, Captain and owner of the tug "Seddon" for staying over and helping us for two days, with assistance of his engineer part of the time, — $120.00 as agreed.

"Seddon" left in evening with Mrs. Jas. Murray, Miss Gertrude Allen, and Miss Wetzgaer.

Johansen, Cox and O'Neill dredged some sponges, hydroids, starfishes, worms, etc, using the motor launch which is now working very well. "Scotty" Allen has christened the launch "Biffin", and the name seems to stick.

Saw Gulls, Terns, Parasitic Jegers.

Teller, Alaska

July 30. (Wed.). Clear. Light Northerly wind in forenoon, stronger in afternoon. Emptying and repairing the leaking starboard gasoline tank. Loaded about 1000 gallons distillate on forecastle head to bring stern up.

Clear
Light N. wind a.m.
Strong wind p.m.

Sabine's Gulls – a few seen in harbor.
Jaegers – a few seen.
Gulls – numerous in harbor
"Turnstone – one seen flying along beach – no reddish but visible on specimen

Teller, Alaska.

July 31. (Thurs.) Clear warm light S. wind.

Hauled "Alaska" up to beach near U.S. Commercial Co.'s warehouse, by hawser astern attached to windlass ashore, steadied by starboard and port stern-lines. Tide rising gradually all day, and we pulled ship up a little from time to time. Took all ammunition boxes, lead, and heavy stuff from after Cabin and piled them on forecastle head, bringing ship down by the bow a little more. Propeller, Shaft connections and clutch binding, kept Engineer busy all day. Both Nahmens and Blue apparently stumped.

Three-masted Schr. "P. J. Abler" arr. 8:00 p.m. Had encountered heavy gale about 50 mi. N. of East Cape and lost rudder — had plank rigged for temporary rudder. On board, Capt. Kleinschmidt, Capt. Larson (master). Born (Eng.) Dr. Young, Mr. Lovering (Philadelphia), Mr. Albright (Iowa), Messrs. Scott.

Around Lagoon back of village saw two Wilson's Snipe, one ——— Fox Sparrow, many Redpolls (Acanthis), Semipalmated Sandpiper Red Phalaropes, Longspurs, Terns, Sabine's Gull.

Teller, Alaska

Aug. 1. (Fri.) Clear a.m. Cloudy p.m. Wind S. P.M.— Wind N. in evening. Cold.

Clear in morning. Sky began to get partially overcast towards noon. Cloudy and cold in evening. Put skids under stern of Alaska and hauled her further up by windlass. This did not bring propellor up high enough, and Nahmens borrowed two 15-ton jacks and raised stern a little more. Obliged to wait for falling tide a little more. Ship propped up with sunken bags filled with gravel and timbers. Engineer worked all morning drilling holes in clutch to allow cleaning. Soldered up the big leaking gasoline tank in afternoon.

Received telegram from George Phillips, Nome, stating that "Belvidere" had been seen near East Cape going north, and asking what should be done about stores of flour, pilot bread, distillate, etc. now at Nome. Replied at once that arrangements should be made to send them on first ship available next year. Plenty stores on hand for this year

Teller. Alaska.

Aug. 1. (Fri.) #1. Shot — single ♀ Mandt's Guillemot. Cepphus mandti Licht ♀. L. 13. W. 6⅞ T. 2 9/16. B. 1 3/16. Ts. 1/6. This bird appeared alone swimming near schooner. When fired at it dived and came up on other side of wharf, and was finally killed after three shots. It dived very well. The bird was quite poor. Iris brown. Feet brilliant vermilion.

Sabine's Gulls — a few seen around the harbor.

Arctic Terns — do.

Parasitic Jaeger — an occasional Jaeger seen hawking around the harbor.

Red Phalaropes — a few seen.

Teller, Alaska

Aug. 2. (Sat.) Cloudy Cold a.m Fairly strong N. wind.

Cloudy, cold morning. Fairly strong North wind. Tide has fallen very little since yesterday. Succeeded in getting propellor off in afternoon. Found that two blades were cracked near hub, apparently due to defects in casting. The propellor was supposed to be in good condition when turned over to us, except that tip of one blade was supposed to be slightly bent. Took accurate measurements of both wheel and shaft. Telephoned to Mr. Geo. Phillips, at Nome, to try to get new propellor. Unloaded remainder of cargo — distillate and ammunition from forecastle head and everything from hold. Found that elevating stern had caused water to run forward so that pump had not kept ship dry, and there was about one foot of water in forepart of hold. Some boxes wet on bottom parts, but nothing damaged much except possibly a few boxes of tobacco.

Teller, Alaska.

Aug. 3. (Sun.) Cloudy. mid SE.

Cloudy all day. Light SE wind. Gas Schr. "Hattie B." arrived from Nome 5½ a.m. bringing mail. U.S.R.C. Bear also arrived at Reindeer Station. Lieut. Roach and Dr. Wilkins (also Mr. Johnson of U.S. Bureau of Education) came ashore. Forwarded mail for members of Expedition on "Karluk" and "Mary Sachs" to Barrow, Alaska by "Bear".

Hauled "Alaska" a little further up. Went out hunting along shore to southward. Gullies along shore with dense growth of scrubby willows 2-3 feet high. Upland covered with mossy tundra and "nigger-heads".

Alaska Yellow-Wag-tail (Budytes flavus alascensis) fairly common along willow-covered coast banks. Very restless and active, seldom staying long in one spot, and flying back and forth in undulating courses. Shot one

#2. ♂ B. f. alascensis

Teller, Alaska

Aug. 3. (Sun.). Pipit (Anthus rubescens). A few seen. One shot near bank of salt lagoon.

*4. ♀ Anthus rubescens. Moulting.

Fox Sparrow (Passerella iliaca). Saw two or three Fox Sparrows in thick willow scrub around lake and chased them for some time. They were very wild and when scared up would fly for some distance and dive down into the brush and not be seen again until flushed. Shot one.

*5. ♀ Passerella iliaca. Moulting specimen with stub tail feathers. Stomach contained seeds and larvae. Cestodes in intestine.

Redpolls (Acanthis) very abundant; every where in the small willows. Most of them were young birds. Two juvenal specimens shot, but badly mutilated. No specimens with pink plumage seen.

Puffin (Horned?) Several flew out from steep limestone cliffs at point south east of village. They circled back and forth just out

Aug. 3. (Sun.)

gunshot. Possibly they had nests in the crevices of the cliff, which was inaccessible from above except with rope, and had deep water at base so that we could not follow the beach around.

Sabine's Gulls (Xema sabinii).

Several seen on shores of salt lagoon, walking on beach or swimming in the water. Usually in company with Arctic Terns (Sterna paradisæa).

*2. Mouse. (Evotomys sp.) ♂ 135-40-18. While coming along the bank of salt lagoon I saw a Red-backed Mouse near the top of one of the largest willows on the bank, and killed it with a load of dust shot. The Mouse was sitting curled up in a little crotch.

Teller, Alaska.

Aug. 4. (Mon.). Cloudy a.m. Calm. Skinned birds in forenoon. Hunting a short distance in afternoon.
Cloudy p.m. Calm.

#6. Citellus parryi subsp. ♂ 355-92-61. Shot this Spermophile running across grassy ground a few yards from a deserted frame house on outskirts of the village. Holes or burrows are common on the hills near here, but I have seen no Spermophiles near them. A good many of the natives wear parkas (coats) made of Spermophile skins.

#7. Phalaropus Red Phalarope ♂
#21 " " " ♀
Breast whitish, mottled thickly and regularly with pale reddish — changing from summer to fall plumage, the red of summer plumage being somewhat faded out. Two or three Red Phalaropes around edge of lake in company with several Northern Phalaropes.

#8. ♀ Lobipes lobatus. Northern Phalarope
#9. ♂ " " " "

Several seen around edge of lake.

Teller, Alaska.

Aug. 4. (Mon.) *b. Calcarius lapponicus.

Lapland Longspur. ♂. Moulting; stub-tailed. Several others seen. Rather shy and retiring now.

Snow Buntings (Plectrophenax nivalis) Several seen on edge of slough back of town, near the houses. Adults (changing plumage) and gray-plumaged young of the year. None seen far away from the houses.

Alaska Yellow Wagtail. One seen on grassy flat back of town.

Fox Sparrow. Two seen in willow scrub.

Sabine's Gulls. Several seen on lake.

Arctic Terns. " " " "

Parasitic Jaeger. One seen coursing over the harbor.

Pipit. Several seen on shores of lake. One shot, moulting plumage (X)

Teller, Alaska.

Aug. 5. (Tues.) Sunshine a.m. Cool. Cloudy p.m. SE wind in evening.

Skinned birds in forenoon. Capt. Fuhrmann, O'Neill and Cox went over to Max Hirschberg's dredging outfit across the bay in afternoon, in launch.

Went up on hills in evening. Set some more mouse traps.

Fox Sparrow. ♯11. ♀ Passerella iliaca. Shot one in the willows. Tail feathers nearly grown out.

Willow Ptarmigan. Flushed a covey of six or seven young Ptarmigan (nearly grown) from tundra, about ¼ mi. from village.

Sabine's Gulls. A few on lake.

Redpolls. Abundant everywhere.

Semipalmated Sandpiper. One seen.

Teller, Alaska.

Aug. 6. (Wed.) Cloudy. Cool. Fairly strong NW. wind.
Went out to look at traps.

Cloudy. Strong NW wind. Mouse. Microtus sp. (12) ♂. 123-31-19. Caught by hind leg in Out-o-sight trap set in runway in tundra.

*13. Calcarius lapponicus. ♀

*14. " " ♂

Semipalmated Sandpiper. One seen.

Sabine's Gulls. Four seen.

Arctic Tern. A few seen.

Parasitic Jaiger. Two seen hawking along slough back of village.

Redpolls. Abundant.

Alaska Yellow Wagtail. One seen.

Arctic Tern. F. Johansen brought in a young specimen (full-plumaged) found dead on sandspit, much Emaciated. Also a downy young specimen also.

*16. ♀(?) juv. (downy) Sterna paradisaea.

*17. ♂ juv. " "

*15. Microtus sp. ♂ 126-32-20. Caught in trap on tundra.

Teller, Alaska.

Aug. 6 (Wed.)

*18. Ereunetes mauri ♀(?) jr. Western Sandpiper. Body feathered, head and neck downy; crown with small cap of feathers. One specimen seen and taken on edge of lagoon.

*19. Calcarius lapponicus. ♀. One shot.

*20. Spizella monticola ochracea. ♀. One shot in scrubby willows back of town.

*22. Anthus rubescens. ♂. One shot on upland tundra. Several seen.

Wind blew pretty strong from NW in evening, raising quite a sea. "Alaska" began to work loose from her cradle and all hands worked until midnight clearing her. Put out Kedge anchor but it did not hold, then ran out big anchor in dory. Both anchors slipped a little, but we loosened schooner a little, and pulled skids up on shore.

Telephone line from Nome had been down for two or three days and we have received no news of new propellor.

Teller. Alaska.

Aug. 7. (Thurs.) Strong northerly wind 9 a.m. Calm in evening. Clear

Clear, bright morning. Strong northerly wind, which moderated during forenoon. Calm in evening.

Schr. "Silver Wave" Capt. James McKenna arrived from Cape York last night. Leaking and to be beached for repairs.

Skinned birds most of the day. Went out with Mr. Albright (from "Bear") and O'Neill to look at traps on tundra. Found two Microtus in traps but both had their skulls mashed by "Out-o-sight" traps — springs are too strong. One young Redpoll in another trap.

Wilson's Snipe (Gallinago delicata) Two flushed from edge of small grassy pond. Made several attempts at them on tundra and around pond, but missed every shot.

Parasitic Jaeger — saw one chasing an Arctic Tern high up into the air. The Tern finally disgorged his prey, and the Jaeger dropped like a stone, catching it before it reached the water.

#23. ♂ Citellus parryi jun. 248-64-46. Caught by O. Olsen.

Teller Alaska

Aug. 7. (Thurs.) Messrs. Blue, Cox and Olsen went over to Sunset Creek to cut threads on 2½" Exhaust pipe. They saw many Ptarmigan and killed one with a stone.

PP Mr Albright says that Ptarmigan are very plentiful a few miles inland

PP He shot two Eskimo Curlew inland the other day; very few seen; he also

PP shot two Long-billed Dowitchers.

"Scotty" Allen telephoned from Nome that Darling and Dean would ship us the four-bladed and one two-bladed propeller from Nome on "Seddon"; probably leaving tonight.

Teller Alaska

Aug. 8. (Fri.). Cloudy. Calm a.m. Sprinkles of rain

Cloudy, calm morning. Occasional sprinkles of rain.

The "P. J. Abler" finally completed repairs and sailed north this morning — bound for Wrangell Island, etc., walrus and Polar Bear hunting — Capt. Larson, Eng. Born. Capt. Kleinschmidt. Mr. Albright (collector). Messrs. Young, Lovering, Scull, — , — .

Tug "Seddon" arrived from Nome between 10:00 and 11:00 p.m. "Scotty" Allen came up from Nome bringing propellar from Darling & Dean Company.

*24. ♀ Passerella iliaca. Fox Sparrow. Two seen in willows along lake and one shot. They are very wild, utter no note, and when disturbed fly some distance, dive into the low, thick willow brush, and run away.

Teller, Alaska.

Aug. 9 (Sat.). Clear 9 a.m. light SW. wind. Warm. Cloudy morning

Clear all day. Warm. Light SW wind. Low water in the morning, and we succeeded in adjusting the two-bladed propellor (a 4-bladed propellor with two alternate blades cut off.

Gave Scotty Allan, for Darling & Dean, draft for $185.00, for total expenses, freight, etc, on two propellors.

Water rising all forenoon, and the "Seddon" gave us a line and pulled us off at 12:00 m.

Spent all afternoon loading stuff from barge into hold of "Alaska", making complete diagrammatic plan of cargo.

Partly filled gasoline tanks.

Rain late in evening.

Stowed away rifle cartridges, shotgun shells, but lead, powder in after bunks and space in stern, to bring ship down aft.

Took first pictures of trip:

*1. Tug "Seddon" at Teller. 8-1/2-B.S. 12:00 m.
*2. Wharf at Teller, Alaska. do.
*3. Teller sandspit, to NW. "
*4 Launch "Biffin" C.A.E. "

Teller Alaska.

Aug. 9. (Sat.)

Inventory of provisions on Alaska.

In hold:

Flour 41 gunnies (82 sacks) 2000 lbs.

Rice 40 " Ca. 1400

Pemmican 29 boxes & loose cans - 1392 lbs.

100 lbs. Norwegian pemmican.

29 / 46 / 23 / 11 6 / 13 4 2

Malted Milk Horlicks 120 lbs

Bordens. 1000 lbs.

Beans 2 cases 200 lbs.

Rice (polished) 3 cases 600 lbs.

Peas 5 cases Ca. 1000 lbs.

Yellow Corn Meal 12 cases 600 lbs.

Yellow Pea Meal 3 " 150 lbs.

Rolled Oats 10 " 500 "

Sugar (white) 6 sacks 600 lbs.

Sugar (cubes) 12 lb. boxes.

Tea (tubloid) 2 cs. Pekoe.

Coffee Ca. 600 lbs.

Tobacco 100 lbs. Seal N C. 700 lbs. T & B 200 lbs. Chew. #1746
200 " Morris Spec. 540 lbs. N5.

Chocolate 2 cases 100 lbs.

Cocoa 9 cases 450 lbs.

Lard and Compound

Lime-juice 6 cases

Teller, Alaska.

Aug. 10 (Sun.). Rain in early morning; light SE wind.

Considerable rain during early morning hours. Light SE wind. Delayed all forenoon by engineer having to finish a large tin shield to protect fly-wheel from water in the bilge. We seem to waste time here indefinitely on engine tinkering.

Pulled ship in to dock with two lines in afternoon — lighter lying alongside dock, and ship outside of lighter. Finished loading hold from heavier stuff in warehouse, and got remainder of stuff on to deck load: three tiers of gasoline cases on main deck; coal oil and cases of "Dehydro" in tins on forecastle head, other boxes and bags and pork barrels on poop.

Light rain falling all morning.

Aug. 11 (Mon.). Found that while ship had been with stern elevated, that bilge water with cylinder oil and gasoline had run down into fore-peak and spoiled one 100-lb. sack of sugar; some flour touched but apparently not damaged much.

Teller, Alaska

Aug. 11 (Mon.). Light rain in morning, Foggy all day.

Light rain in morning

Foggy all day.

Light NE wind.

Rain all night.

Light rain in morning and most of forenoon. Foggy all day, clearing a little in afternoon. Finished loading ship between 1:00 and 2:00 a.m. Settled up Teller accounts in morning and mailed brief report of operations since leaving home. Returned register. Mahmens and Cox adjusted compass on ship for deviation, by taking reciprocal bearings, turning ship around and comparing readings with compass on shore. Sailed from Teller 5:00 p.m. Engine ran smoothly and towing dory, reached Kendeen Station (6½ miles) at 6:05. Put on ten sacks of coal left by "Karluk". Bought two Sockeye and one Salmon Trout from Mrs. Gravois (of Mission) for 50¢ and one Salmon Trout from Mission for 25¢. Sailed again 8:15 p.m. Engine ran smoothly until about 11:00 p.m. Wind NE pretty strong and we had to take in sail. Tinkered with Engine until after 2:00 a.m., running water from Exhaust pipe, removed and cleaned igniters, Carburetor, Etc.

Sabine's Gulls - saw several young at Kendeen Station. Also Long-tailed Jaegers.

Bering Sea. Cape York.

Aug. 12 (Tues). Clear all day. Bright sunshine. Light NE wind. Calm evening

Rain quite heavy during early morning hours. Clear in forenoon, and bright sunshine all day. N.E. wind gradually moderated during day. Calm in evening. Tinkered with engine, until a little after two p.m. starting up and running for a few minutes then suddenly stopping. Hove to during rest of night. Got engines started again about 10 a.m. About half way between Cape York and King's Island. Engine kept running all day in a desultory sort of way, seldom keeping up for more than 20 minutes at a time. Engineer apparently is entirely at sea in the matter — Nothing serious the matter with the engine — but he simply can not make it go. Drifting 2 or 3 miles off Cape York at 9:00 p.m. King's Island, Diomede Islands and Fairway Rock plainly in sight

A large Whale was seen crossing our bow in the morning. Saw one Seal in the evening

Cape York: Alaska

Aug. 12. (Tues.) Pomarine Jaeger (Stercorarius pomarinus) Saw one chasing a Gull for some time. The Gull finally disgorged several masses of food from its mouth, and the jaeger stopped to pick it up.

Horned Puffin.

Several seen, singly, during the day. One kept ahead of the ship for some time while we were steaming, occasionally taking short flights, flopping over the tops of the large waves. When viewed from rear flying, the large yellow feet project out from side of body for quite a ways; very conspicuous

Lapland Longspur - flew around ship in the evening

*S. Photo. Cape York. 8-4 to 10 - B.S. 4:30 p.m.

Engine started up about 11:00 p.m. and we ran for about three hours, passing Cape Prince of Wales about midnight. High pointed hill at Cape ca 2000 ft. high. Long spit with village running out to northeast.

Arctic Ocean. NE of Cape Prince of Wales.

Aug. 13. (Wed.). Cloudy. Wind S. Stormy p.m. Gale all night.

Clear in forenoon. Light southerly wind. High land south and east of Cape Prince of Wales visible at 10:00 a.m. Also high double-pointed mountain rising like an island east of Schischmaroff Inlet. Engine not working. Tried hoisting mainsail and sailed wing and wing for about half an hour, but schooner did not steer well, the foresail often jibing. Breeze freshened and we lowered mainsail. Tried for two or three hours to stow foresail from port to starboard side, but schooner absolutely would not come around. Tried every known experiment with the three sails — mainsail, foresail and jib, but ship would not come around. Finally wind shifted a little to SW and she came around.

Wind increased all afternoon from SW and was blowing a pretty stiff gale by night. Hove to all night, but schooner would not lie up to the wind with foresail,

Aug. 13. (Wed.) She kept broaching to and rolled terribly, sometimes nearly going over. Kahmeus put out one of the round dredge nets for a sea-anchor, but the rope parted and it was lost. Another was put out with a stronger rope and helped some to keep head to wind. Oil bag (gunny filled with waste and cylinder oil) hung over bow. Kept boats from breaking badly. Very heavy swell.

Blue and O'Neill working nearly all night with engine, but only getting a few kicks out of her.

Saw a few birds during the day

Horned Puffins - occasionally seen.

Phalaropes - a few seen flying over and occasionally swimming and picking up food on the water

Rodger's Fulmar (Fulmarus rodgersi) Two or three seen following the ship -

Arctic Ocean.

Aug 14 (Thurs.). Wind moderated in morning. Light S. wind. Foggy in evening

Wind moderated towards morning, and swell soon went down a bit. Light southerly wind all day, and we kept steadily sailing under foresail all day, making possibly three miles an hour. Captain and engineer had an acrimonious discussion as to causes of engine not working. Finally got it started about 2:00 p.m. and ran smoothly for half an hour without throwing in the clutch. Then threw in clutch and ran half an hour before stopping on account of loose head to cylinder. Later in the afternoon it got to working well under low speed and kept going steadily until midnight. Everybody feeling cheerful again in evening. O'Neill stuck faithfully at the engine all day and took watch on same until midnight. Captain threatened at noon that unless engines could be made to work today that he would head ship into Kotzebue Sound and throw up the job, rather than attempt to go north with

Aug. 14 (Thurs.) engines which will not run. Claimed that we would lose deck cargo in next gale without motor power.

Cox and Nahmens worked position from solar observation at 4:00 p.m., Guessing ~~longitude~~ latitude at 67° 40' N.

No land in sight today.

Phalaropes - fairly numerous, singly and in small flocks.

Horned Puffins - single individuals often seen in the water, or flying.

Pallas's Murres - several seen flying over, and three seen swimming and diving in the water not fifty yards from ship.

Auklets - "Sea Snail". Several seen near ship.

Rodger's Fulmars. Several, kept near the ship all day.

Pomarine Jaeger - one seen.

Seals - a few seen.

Point Hope, Alaska.

Aug. 15. (Fri.). Fog. Light rain. Wind SE in a.m. N. after 4:00 p.m. and all night

Light S wind at midnight, somewhat fresher than during day. Making good time with both mainsail and foresail set and motor going. Thick fog in morning. Wind fairly strong from SE. Came in sight of middle of Point Hope sandspit, in fog about ½ mile away, at 9:00 a.m. Steamed around to north side and dropped anchor about ¼ mi. off shore near Mission on northside of sandspit. Several good, red-painted buildings here — mission, schoolhouse, etc. Natives mostly living on south side of sandspit. Mission has a motor schooner here. Many natives came out in umiaks, and offered a few muklooks, mitts and curios for sale. They wanted tobacco, and soap, but I had none to trade here. Bought two pairs of long waterboots for cash $3.00 per pair, and several pairs of sealskin mitts. Boots were well-sewn, much better than those purchased at Nome. Tried to purchase some fresh

Aug. 15. (Fri.). fish, but they said they had none. One canoe went ashore, and came out at the last minute with three Sockeye Salmon, fair size, which I purchased for 25¢ each. One proved to be spoiled.

People said that "Karluk" had anchored on south side of village and Stefansson come ashore and hired two natives over two weeks ago. "Mary Sachs" passed two or three days later but did not stop. "Belvedere" was here two or three days ago and took seven natives.

Spent some time tinkering the engines, cleaning igniters, etc. Found out yesterday that there was considerable salt water in starboard distillate tank, and whenever fed from starboard tank the engine would soon stop. Ran on distillate from port tank all night. Today, at anchor, listed vessel to port, and ran out all the salt water which was in bottom of starboard tank through cock

Point Hope, Alaska.

Aug. 15. (Fri.)

at bottom of tank. After that, the engine ran smoothly on distillate from starboard tank. Sailed at 3:30 p.m. Wind hauled to due north about 4:00 p.m. and was blowing pretty freshly in a short time, increasing to about 8:00 p.m. and soon raising a pretty heavy swell. Kept beating head wind and sea all night, making a little headway with motor at low speed.

Approaching Point Hope from south, birds were quite numerous, and many flying around the point all day.

♀ Pallas's Murre (Uria - Tomvia arra (Pall.) Large flocks flying west all day. Numbers seen in the water. One shot.

Horned Puffin. A few seen off shore.
Murrelets - a few seen.
Phalaropes - a few seen
Glaucous Gulls - a few seen
California Gulls (?) - numbers seen
Short-billed Gulls - common. Terns common

*6. Photo. Point Hope Eskimos in umiak. 6.3 - 1/50 - Cl 2 p.m.

Cape Lisburne, Alaska.

Aug. 16. (Sat.). Clear a.m. Light NE wind. Mid SE in Eve. Temp. 5:00 a.m. Air 41.5°F. Water 45.0 9:30 a.m. Air 42.0 W. 45.5° 8:00 p.m. Air 40. W. 45.5°

Clear, bright sunshine in morning. Light NE wind. Passed Cape Lisburne at 6:30 a.m. Sharp, jagged, pinnacle rocks on summit, and on sides of hills to eastward of Cape Lisburne. Sea cliffs steep here.

Pallas's Murre – Many seen flying back and forth along the coast.

Red Phalaropes – a few seen around the ship.

Mr. Johansen took some plankton in nets drawn behind ship yesterday afternoon. Temperature of air 45° F. water (on surface) 47° F.

Photos:

*7. Cape Lisburne from NE. $\delta - \frac{1}{100}$ – Bright sun – 9:00 a.m.

*8. Cliffs east of Cape Lisburne from N. $\delta - \frac{1}{100}$ – B.S. 9:00 a.m.

Corwin Coal Mine, Alaska.

Aug. 16 (Sat.). Anchored about ¼ mi. off shore at Corwin Coal Mine 1:00 p.m., about mi. NE of Cape Lisburne. Two houses here — no people but several sacks of flour, etc. Cached. Several long pits on hillside about ½ mi back where coal had been worked. Coal exposed in narrow veins at sea level and in sea cliffs, alternating with strata of limestone and fine sandstone. Strata dip to south at 45° to 60° angles. Took two bbl. water from small creek about 200 yds. W. of houses. Many old camp sites. Saw carcass of Yellow-billed Loon. Murres, skull of Red (?) Fox, Seals, Walrus, Spermophiles. Only live birds seen ashore were Longspurs and a few Snow Buntings.

Shot ♂ Snow Bunting — about half-moulted into fall plumage, adult. Saw four Curlews flying SE.

Filled gasoline (distillate) tanks from cases on deck, and trimmed ship. Wind had nearly died down afternoon, but started up from SE about 5:00 p.m. Sailed at 7:00 p.m. Rain began about 5:00 p.m. and fell all night.

Point Lay – Icy Cape – Alaska.

Aug. 17. (Sun.). Rain. Strong NE wind.

Temp.: 5:30 a.m. Air 43.3° W. 46.3° 10:30 p.m. Air 40.5° W. 45°

Rain all night. Strong NE wind. Dropped Johansen's dredge net 4:30 a.m. in 10–11 fathoms of water – Lat. N. Lay Lt. Rocky bottom. Some broad leaves of Kelp, star-fish, shells, two species of small sculpin, and other specimens brought up. Johansen was very bitter last night because we refused to steam straight out from Corwin Coal Mine so that he could dredge in about 10–12 fathoms depth, involving a detour of 15–20 miles for that purpose alone. Decided that we could not afford to take chances of any delay in reaching Point Barrow at this late date in the season – as the paramount consideration for all other members of the Expedition is to get into the Coronation Gulf region before the freeze-up. My standpoint is, that while marine biology is interesting and important, and we will all help dredge whenever practicable other considerations prevent us from stopping to dredge in Alaskan waters when weather conditions are favorable for pushing ahead.

Point Lay – Icy Cape, Alaska

Aug. 17 (Sun.)

Point Lay abeam at 9:30 a.m. Low sandspit coast. No high land in sight. Distance from home, via Teller, about 425 miles. To Point Barrow 168 miles. Strong head wind, and rough head sea, but motor pulled steadily against it all day. True course NE x N.

Icy Cape — Blossom Shoals, Alaska.

Aug. 18. (Mon). Strong NE. wind. Rough head sea all day. Position by observation p.m.

Wind NE. Lat. 70° 24' N. Long. 161° 25 W.

Rough Sea. Passing slowly along low sandy coast all day. Passed U.S. Revenue Cutter "Bear" at

Temp.: 10:30 p.m. about 25 mi. above Icy Cape.

10:30 a.m. Officer shouted that he had information

Air 30.3 for us and we passed across storm. He

Water 43° said that we would meet ice 10-12 miles from

3:00 p.m. Seahorse Islands, but we would be all right

Air 30.2 if we kept inshore. "Karluk" passed Point

W. 41.2. Barrow Aug. 8th, and "Mary Sachs" and "Belvidere" together Aug. 15th

We have seen no ice up to date.

Sun shone bright for a while about 8:00 a.m. and again at intervals in the afternoon, although obscured by clouds.

Wainwright Inlet – Point Belcher – Seahorse Islands

Aug. 19. (Tues.). Clear a.m. no sun. Flurries of snow p.m.

Temp.:

Passed Wainwright Inlet about 2:30 a.m. a large herd (several hundred) Reindeer seen north of Cape Collie. Passed Point Belcher about 8:00 a.m. A few small ice cakes seen for the first time. A little further on, ice seemed to form a solid field as far as we could see jammed up against the Seahorse Islands. The ice had evidently come in to the shore since the "Bear" passed last night. Four-masted ship ("Transit," Capt. Beckland ?), seen in ice inside point of Seahorse Islands, at a distance; appeared to have a small schooner alongside of her. Found narrow openings through the ice everywhere – no dense pack, and no very large masses; all loose floating cakes, pretty thick all along the Outside of Seahorse Islands, and considerable inside of them. Ice formed a point from here extending ~~two~~ three or four miles (apparently) to the northwestward. Worked through the thickest mass of the ice by noon, and met only scattering cakes in the

Aug. 19. (Tues.). afternoon and evening. A pretty continuous, narrow fringe of ice all along the coast north of Seahorse Islands. Sea-wall consists of low mud-cliffs, broken here and there by narrow, grassy valleys coming down to the coast.

Numbers of Seals seen in water during the day; occasionally a Bearded Seal.

Pacific Loon – numbers seen in the water and flying. Some in full summer plumage.

Yellow-billed Loon – a few seen flying.

Mandt's Guillemot – two seen swimming near ship. They tucked up their heels and dived like grebes.

Pallas's Murre – a few seen in the water.

Old-squaw – a few small flocks seen.

Arctic Terns – a few seen.

Sabine's Gulls – about a dozen seen resting on ice cake.

Glaucous Gulls – a few seen.

Pomarine Jaeger – one seen.

Short-billed Gull – a few seen.

Peard Bay. Alaska. Cape Smyth.

Aug. 19 (Tues.). Dropped Johansen's dredge about 4:00 p.m. for half an hour near Skull Cliff, 11 fathoms depth, about 1 mile off shore. Brought up a mass of small stones and pebbles imbedded in very sticky gray mud. A number of varieties of small shells, some Sponges, Alcyonaria, some very small Starfish, Serpent-stars, Sea purses, Crabs, Hermit Crab. Snails, and small Sculpin.

Sighted Cape Smyth village 9:30 p.m. and found solid ice extending about 200 yards out from beach. Chas. D. Brower and Fred Hobson came out from beach with umiak on a sled. Brought letter from V. Stefansson dated Aug. 6th, saying he would stop only three or four days at Herschel Island; advised me to buy umiak, one canoe sled, two rail sleds, and seal-pokes from Brower. Bought one umiak @ $150.00, 1 wooden-shod canoe sled $20.00, 2 railsleds @ $40.00 and six seal-pokes @ $2.00 each.

Natives are out with whale boats after walrus among the ice-floes; several walrus have been killed recently.

Aug. 20. (Wed). Calm a.m. Snow 3:00 a.m. Sun forenoon and afternoon. Cloudy & Snow. Light NE wind.

Calm at midnight. Clear, no fog. Light snow falling 3:00 a.m. preceded by slight sprinkle of rain. Warm bright sunshine in forenoon and afternoon. Cloudy, foggy evening. Occasional flurries of snow. Light NE wind.

Sent out letters from Cape Smyth – Government Post Office at Barrow, Alaska. Three white men here – Mr. Chas. D. Brower and Fred. Hobson (Cape Smyth Whaling & Trading Co., Inc.) and Govt school teacher Mr. Cram.

Engine needed more repairing and we left Cape Smyth 3:00 a.m. steaming about seven miles around end of Point Barrow (the most northern point of Alaska, and the next to northernmost point on mainland of North America – the most northern point being Boothia Peninsula). Large Eskimo village near tip of sand-spit at Point Barrow. Passed East keeping close to the coast, and entered through Moore Channel about two miles East

Elson Bay, Alaska.

Aug. 20. (Wed). of village into Elson Bay, where we anchored just inside the sandspit. Finished repairs on engine, filled distillate tanks, and shifted part of cargo. Hoisted anchor (soft mud bottom) and sailed out at 1.30 p.m. Kept near western edge of channel and grounded, but soon got free. Steamed about a mile to Eastward, among loose drifting ice. Ice packed solid as far off shore as we could see and in pretty close to sandspit islands. Water too shallow inside of the Grounded cakes of ice along shore, as we are drawing nearly seven feet of water. Tried up to a large cake of ice but could find no fresh water pools, but filled up barrel, tubs and pails with fresh ice (not salt, on top of old floes). As we could find no open channel to the Eastward decided to turn back to our old anchorage and wait for the pack to open up into leads. Grounded again just outside of entrance to Elson Bay, a little to the

Elson Bay. Alaska.

Aug. 20 (Wed.) Eastward of where we came out — about 4:00 p.m. Schooner aground caught on hummock on port side — about 6 ft. of water, 7 ft. on starboard side. Continued running of Engine failed to move her. Run out Dingall anchor as Kedge, but anchor failed to hold on coarse gravel bottom. Lowered dory and motor launch and put three dory loads of distillate and gasoline (85 five gallon cases) ashore in evening. Tide apparently fell nearly a foot and we failed to move schooner at all. Occasional cakes of ice drifting out of Elson Bay kept coming broadside on to us, and anchor watch had to shove them astern with poles. Johansen [illegible] because manual labor interferes with his collecting — took his watch until midnight and let him go ashore with canoe. Soundings in all directions show that deepest Channel (over 2 fathoms) is about in the center of passage, where a noticeable tide rip shows up

Elson Bay. Alaska.

Aug. 20. (Wed.). Large cakes of ice invariably pass out along the tide rip, occasionally swinging to the west with the current after passing through the entrance.

Seals - quite a number seen today - both inside and outside of Elson Bay.

Old squaws - large flocks seen in bay. One flock apparently was following a school of small fish, with many Arctic Terns darting down among them.

Sabine's Gulls - numerous, on sand-spit, or resting in flocks on ice floes.

Pacific Eider - a few flocks seen going west.

Long tailed, Parasitic, and Pomarine Jaegers - fairly common, about equally numerous. Saw a Long tailed Jaeger harrying a Tern in the midst of a flock until he disgorged something which the jaeger snapped up before it reached the water. The other Terns paid no attention to the robber, beyond the usual screaming while feeding. In the breeding

Aug. 20. (Wed.) season the whole flock of Terns would have turned on the intruder and chased him away.

Glaucous Gulls — a few seen.

Short-billed Gull — one seen.

Yellow-billed Loon — occasionally seen.

Pacific Loon — numbers seen, usually in pairs.

Northern Phalarope — one seen swimming near the beach.

Elson Bay, Alaska.

Aug. 21. (Thurs.) Cloudy a.m. Sunshine p.m.

Cloudy all night. Cold raw northerly wind. Tide rose a little towards midnight. By keeping propellor churning steadily, forward and reversing, and by rocking ship back and forth by swinging main boom, she finally got off about 4:30 a.m. and anchored about half a mile west of entrance (retided). Party with launch sounded channel during forenoon, and found a depth of four or five fathoms about midway between sides of Channel. O'Neill shot ♂ ♀ full. (R. t. pomicaris * 146.)

Sailed again at 2:00 p.m. and by a narrow spucat, crossing over fathom depth, entered Bay and anchored. Went ashore on spit. Large flocks of Eiderducks swimming thereabouts on sandspit. When approached they would swim leisurely out. If too close they would fly a short distance.

Jaegers. A few seen. Shot one dark phase Parasitic Jaeger.

3 ♂ ♀ Stercorarius parasiticus (Linn.).

Elson Bay, Alaska

Aug. 21. (Thurs.).

Pomarine Jaeger (Stercorarius pomarinus). One shot by O'Neill. light phase.

32. ♂ Stercorarius pomarinus (Temm.).

Pac. Kittiwake Gulls. Many seen, singly or in flocks of 10–20 resting on sandspit. Shot three, both adult and juvenal plumage. Iris brown. Bill pale greenish yellow, orange at angle. Inside of mouth and throat ~~blood~~ bright orange. Feet black.

28. ♂ Rissa tridactyla pollicaris Stejn. ad.

29. ♀ " " " " juv.

30. ♂ " " " " "

Sabine's Gulls. (Xema Sabinii). A few seen.

Glaucous Gulls - a few seen - 2 or 3.

Arctic Terns — numerous.

Old-squaws - abundant. Mr Bluethot one.

Young ice between huge cakes on north side of spit. Swan flying again at 9:00 p.m.

Elson Bay, Alaska.

Aug. 22. (Fri.). Clear. Wind NE.

Clear s. m. Slight haze. Hoar frost on everything. Wind NE. On board skinning birds most of day. Numbers of Kittiwakes flying about.

Glaucous Gulls – occasionally flying past.

Sabine's Gulls – abundant.

Arctic Terns – "

Pacific Loon – a few seen.

Elson Bay, Alaska.

Aug. 23. (Sat.). Sunshine a.m. Wind NE. Cloudy p.m. Wind SE.

Sunshine in forenoon. Wind NE. Hazy towards noon. Cloudy p.m. Wind SE. Hunted west on sandspit nearly to Point Barrow village.

Old-squaws - Abundant, summing themselves on edge of spit. Impossible to approach, as they were warned by the screaming Terns, and swam out of danger. Shot one flying over spit, and O'Neill shot two. Two were pretty well feathered, one unable to fly, gulls and tail-feathers missing. #38. ♂ Harelda hyemalis.

Pacific Kittiwakes - A flock of fifty or more kept flying back and forth, sometimes alighting in a bunch, or flying singly or in scattered bunches back and forth. Young specimens (known by black tip on tail and dusky band across shoulders), more numerous than adults. Shot four:

33. ♀ juv. Rissa tridactyla pollicaris.

34. ♂ " " "

35. ♀ ad. " " "

Elson Bay, Alaska.

Aug. 23 (Sat.) Parasitic Jaegers — common; dashing in and out of fleets of Terns, occasionally making a Tern disgorge. Saw numbers resting on ice. At a distance are easily mistaken for Seals. Shot one dark-colored specimen and O'Neill a light-colored one.

36. ♀ Stercorarius parasiticus (Linn.). (dark phase)
37. ♀ " " " light "

Arctic Terns — very abundant. Adults about as numerous as juvenile specimens, the latter easily distinguished by gray head. Shot one young bird, able to fly well, but with numerous down feathers on head and a few on body. Two adults shot.

39. Sterna paradisæa. juv. Sex?

Sabine's Gulls — numerous, but very wild, and I could not kill any. Had an occasional chance, but small shot (#10) failed to reach.

Glaucous Gulls — a few seen.
Pomarine Jaeger — numbers seen.
Pacific Loon — a few seen.

Elson Bay, Alaska

Aug. 23. (Sat.) King Eider (Somateria Spectabilis). One female shot today.

Seals - several seen on ice in the forenoon. O'Neill shot and thought he wounded one. I killed one in afternoon in a little pool between ground ice and shore. Mr Blue went out on the ice, but broke off the shelving edges of the floe twice, and had difficulty in crawling out on the ice again. The Seal soon sank.

Elson Bay – Point Barrow, Alaska.

Aug. 24. (Sun). Cloudy. Warmer. Strong SE wind at 6:00 a.m., increasing. Thick snowfall all day after 9:00 a.m. Wind SE in evening. Steamed out of Elson Bay ca. 8:00 a.m., this time Channel well marked by wind discolored in shoal places and we did not go aground. Kept along to west, in 2–3 fathoms of water, just inside of ground ice on shoal and anchored opposite Point Barrow village for a little while to hoist boats on board, then steamed East between inner shoal and ground ice outside. Snow began flowing so thick and hard that we could hardly see facing it. Hauled in towards shore and grounded, but got off again and tied fast to big grounded ice cake about 600 yards from long sandspit island. Lay here all day.

Cloudy. Warmer. Strong SE wind at 6:00 a.m. SE in evening. Snow all day from 9:00 a.m

Pallas's Murre – a few seen near Pt. Barrow

Pacific Loon – a few seen

Pacific Kittiwakes – numbers seen

Glaucous Gulls – a few seen. Seals few

Point Barrow, Alaska.

Aug. 25. (Mon.) Cloudy all day. Snow in afternoon. Wind NE in forenoon, SW in afternoon. Went ashore in afternoon and walked east to East end of sandspit island. Water too shoal for "Alaska" within line of grounded ice, less than six feet in most places. Another island visible to Eastward.

Cloudy all day. Wind NE a.m. SW. p.m. Snow p.m.

Old squaws — a few seen.

Sabine's Gulls — numbers seen, flying east along the sandspit but none stopping. Shot two but one drifted out of reach.

#40. ♀ Xema sabinii. ad.

Pacific Loon — a few seen.

Considerable slush ice among cakes of ice grounded on sandspit.

Seals seen here and there in shoal water.

Point Barrow, Alaska.

Aug. 26. (Tues). Clear a.m. Wind NW. Cloudy p.m. Calm afternoon. Light SE wind in evening.

Clear, bright sunshine in forenoon. Wind light NW. Cloudy p.m. and wind died down. Light SE wind in evening.

Decided to sail back westward again (being about 13 miles east of Point Barrow). Went about five miles west and around the end of grounded ice. A long lead extended from here eastward, parallel to the shore, 50 to 200 yds. wide. Heavy packed ice outside with no water in sight. Grounded again about two miles further East than the spot where we anchored before. Got off in about two hours, and anchored a few hundred yards back, in deeper water (tied up to ice cake in about 9 ft of water, about 600 yards from shore. Rowed small skinboat to eastward about one mile with O'Neill and Olsen, and walked about a mile further. A small bunch of conspicuous hummocks of gravel about a mile ahead of the ship - pushed up by

Aug. 26. Tues). the ice, and an old house a few hundred yards further west. Ice comes up against the beach here, and water shoal (3 - 4 fa.) in open places west of here near sandspit. Ice ahead somewhat broken up. North and east there appears to be open water outside at a distance of a few miles, but no sign to the northwest - an unbroken ice-field.

Old squaws - O'Neill shot two from deck of schooner, and we shot eight more from skin-boat in the afternoon. Some could fly and others could not. Immense flocks in Elson Bay & south side of sandspit.

Sabine's Gulls - a few seen, mostly adults but occasional young birds.

Pac. Kittiwakes - a few seen.

Glaucous Gulls - occasionally seen.

Pac. Loon - numbers seen.

Eiders - a few females flying over.

Two Seals killed, but both sank very soon

Point Barrow, Alaska.

Aug. 27. (Wed.) Cloudy 9 a.m. Calm. Wind E. 1:00 p.m. NE in afternoon.

Cloudy all day. Calm during forenoon. Wind started up from East in afternoon. Kahmeun shot and wounded a young Seal near schooner. It made several attempts to climb up on ice cake, floundering blindly about, until we lowered the umiak and harpooned it. O'Neill and Blue went out in canoe and brought back a young Glaucous Gull and a moulting Pallas's Murre. Numbers of Seals seen.

Cape Smyth traders (Eskimo), came in from the eastward sailing down the lagoon (Elson Bay), 6-7 Whaleboats, 2 Sealing boats, and two umiaks, about 7:00 p.m. and camped on sandspit opposite the schooner. Went ashore in umiak. They reported that there is plenty of heavy ice for several miles ahead, but little or none east of ~~Cape~~ Point Tangent. They had met the Colville River Eskimos at Nigalek (west branch of Colville delta) and gone

Aug. 27. (Wed.). east to the trading rendezvous at mouth of Kugurak River (Gladman Island), bringing back some fur, caribou skins and Mountain Sheep skin (Ovis dalli). They had been on the road four nights since leaving the mouth of Kugurak River. Three Whaleboats came from Herschel Island to the Kugaruk rendezvous to trade, and one old man ——— "alias "Billy" came on west with one of the Cape Smyth boats. He was the only one of the crowd wearing "tu'tak's" or labrets — medium sized White ones.

They reported seeing Mr Leffingwell with gasoline schooner east of Colville delta (probably "Mary Sachs"). People from Eastward had told them that S.S. Belvidere and a gasoline schooner were held up for several days near mouth of Kula-kula River by the ice.

Trapping is said to have been good to the Eastward last winter.

Point Barrow, Alaska.

Aug. 27. (Wed).

Glaucous Gulls (Larus hyperboreus). A few seen flying about, but seldom coming near the ship. Mr. O'Neill shot a juvenile specimen, full-grown.

*41. ♀ Larus hyperboreus juv.

*42 ♂ Pallas's Murre (Uria lomvia arra). One female specimen shot; moulting, wing quills all shed. Head mottled with grayish feathers. Iris brown. Feet black.

Sabine's Gulls. a few seen. O'Neill brought in a specimen, but unfortunately one leg was shot away.

*43 ♀ King Eider (Somateria spectabilis). Chased a single female for a long time in the umiak, and after a long chase, and numerous shots succeeded in killing her. She dived very quickly when we came near, and only stayed up for a short time, the place of re-appearance being very difficult for us to gauge.

Northern Phalarope — three seen

Point Barrow Alaska.

Aug. 27. (Wed.). When we went ashore, one of the old women presented me with a fine large Salmon Trout and five White-fish. Nothing was said about any pay, but I sent ashore a plug of tobacco with three boys who came out in Kayaks in the morning.

All the people had their boats pretty well loaded with their families and camp gear as well as a bunch of dogs in each boat. They have to take the dogs along to feed them during the summer, and the dogs often are useful to "track", i.e. pull the boats along the shore when weather is calm or wind unfavorable for sailing. These people all travelled on the coast "outside" leaving Point Barrow about July 22nd. They said that some people had gone by the inland "portage" route with canoe, hoping to kill some Caribou

Point Barrow, Alaska.

Aug. 28 (Thurs). Clear a.m. Wind NE. Colder. Wind E. in afternoon. SW in evening.

Clear morning, but ice set fast, and no opening except along the coast back to Point Barrow. Colder. Wind NE in forenoon, backing to East in afternoon and freshening up from SW towards evening. Ice began to move about eight p.m. and several cakes closed in on us. The large cake to which we were anchored swung around, and we had considerable difficulty getting clear. No opening ahead and we steamed back a mile or so, and dropped anchor, but anchor would not take hold on hard, smooth, frozen sand bottom. Finally found a grounded ice cake and managed to hold on to it until morning.

Glaucous Gulls — small numbers seen. Shot one adult female which flew near ship.

#43. Larus hyperboreus ♀ ad. Bill yellow red tip, feet flesh-color, iris straw-color.

Point Barrow, Alaska.

Aug. 28. (Thurs.)

Pacific Kittiwake — a few seen flying by.

Sabine's Gulls — numbers seen flying about singly, and small flocks seen occasionally resting on ice cakes.

Pacific Loons — frequently seen flying over, and a few seen in open patches of water.

Old-squaws — large numbers seen flying about, swimming in the water, or roosting in small flocks at the edge of ice-floes.

Point Barrow — Point Tangent — Alaska

Aug. 29. (Fri.) Clear a.m. Strong SW wind. Flurries of snow p.m. Wind moderated. Calm in evening and clear.

Clear morning. Only occasional glimpses of dull sunshine, but horizon clear. Strong SW wind and ice moving slowly away from the shore. Got under way 10:00 a.m. and working through numerous leads of open water, and many large areas of loose drifting ice we kept steadily eastward, keeping in two, three, four, and finally steadily in about six fathoms of water. Coast in sight most of the time, merely low sandspit islands. Occasional glimpses of low cut banks. At noon passed a beacon on spit, or perhaps only a pyramid of firewood piled up by natives. A bunch of rather high (8-10 ft) hummocks on land passed about 3:00 p.m. Crossed Smith Bay in evening and sighted land on east side — probably near Ellice Point — black cut banks, with two lower valleys running down to coast further east.

Aug. 29. (Fri.)

Pacific Kittiwake— a few seen.
Glaucous Gull— numbers seen during the day, but not in flocks.
Glaucous-winged Gull— one dark-colored young Gull, a trifle smaller than the Glaucous, seen — probably this species.
Sabine's Gulls— a few seen.
Pacific Loon— numbers seen, flying and in the water. Saw one bird, apparently a Loon, at pretty close range, much mottled with large white blotches on back and wing-coverts.
Old-squaws— numbers seen.
Spectacled Eider— one female seen.
Pallas's Murre— a small bunch seen swimming in the water.

Smith Bay, Alaska.

Aug. 29. (Fri.). Water rather shoal when we were obliged to cross Smith Bay - 2 & 4 fathoms - following southern edge of the heavy ice. Only an occasional cake of ice seen in the bay

Pitt Point – Cape Halkett, Alaska
Harrison Bay.

Aug. 30. (Sat.). Clear a.m. Clear. Cloudy p.m. light NW wind.

Clear morning. Calm. Abeam of land about 2 miles south at 5:00 a.m. Two sod houses with rock cache on top of black earth banks (near Pitt Point). Steaming through alternating strips of clear water and thin loose mushy young ice – not thick enough to deaden way of ship perceptibly. Passed island off Cape Halkett about 8:00 a.m. Island has bold steep black banks 12–15 ft. high. Mainland a short distance behind is low. Considerable ice extending off to SE (Pacific Shoals). Kept along inside (to west side, and water shoaling, we attempted to swing to Northeastward between a line of heavy ice-cakes, but grounded in from six to seven feet of water, rather soft mud bottom at 10:30 a.m. Ship moved about a little with propellor moving, bow moved quite freely, but stern was caught. Lowered skin boat and sounded, but found no deeper water except by way we had come in. Only four feet of water on NE side of bar.

Harrison Bay, Alaska.

Aug. 30 (Sat.) lowered dory, launch and umiak and put on them a quantity of distillate, beef barrel etc. Put out big anchor about 60 fathoms and finally got free about 7:30 p.m. Steamed back 3-4 miles, getting 11 feet & water for last two miles. Anchored and re-loaded deck. Finished about 9:15. but breeze was pretty fresh from NW. and we could not risk working through heavy ice outside, and anchored to wait for daylight.

#46. Glaucous Gulls - a few seen. One shot ♀ juv. Larus hyperboreus. darker plumage than one shot the other day. Iris brown; feet flesh-colored.

Phalaropes - a few seen.

Pomarine Jaegers. two or three seen.

Sabine's Gulls - a few seen.

Old-squaws - numerous flocks - coming straight in from off shore, probably from the pack ice.

Pacific Loons. - A few seen.

Harrison Bay, Alaska.

Aug. 31. (Sun.) Foggy a.m. Clear p.m. Wind NW a.m. NE. p.m.

Foggy morning. Light NE wind. Sailed back about 10 miles towards NW. (towards Cape Halkett, keeping in about 11 feet of water. Anchored for breakfast and for fog to clear. Steamed back a little further to 3 fathoms and tried to go through lead between masses of grounded ice. Took a quantity of ice from a large floe. Scarcity of fresh water in morning caused squabble between captain and cook. Worked nearly through pack when water suddenly shoaled from 3 fathoms to seven feet, and we began stirring up mud just outside of the ice cakes. Backed out and turned, and proceeded further northwest in about four fathoms until abreast of Cape Halkett Island, then stood in an easterly direction about 11 P.M. picking up large leads by zigzagging among long strips of dense heavy ice. Two or three times we were fairly enclosed

Harrison Bay, Alaska.

Aug. 31. (Sun.). in small patches of open water, surrounded by dense fields of heavy ice, and had to break out by pushing aside narrow ice bridges. Followed sinuous leads three or four miles to southward and found water more open.

Uniform depth of 5½ fathoms all afternoon.

Old-squaws - large flocks in leads of open water.

Glaucous Gulls - a few seen.

Northern Phalaropes - small flock (four or five) flies near ship.

Seals - two or three seen in water. One large Seal asleep on ice-floe in afternoon.

Harrison Bay, Alaska.

Aug. 31. (Sun)

Steamed through comparatively open water in late afternoon and evening. Numerous small chunks of ice drifting. Water shoaled quite suddenly to nine feet, near edge of offshore ice, about 8:00 p.m. We hauled out as far as we could into edge of the ice but found no openings and as it was getting pretty dark, tied up to large ice floe which was drifting very slowly to westward. We soon had to shift to another cake on account of other cakes threatening to jam us, but finally found another which was actually grounded and remained fast until daylight. Water about 8½ feet in depth.

Made copy of E. dek. Leffingwell's map of "inside passage" from Return Reef to Flaxman Island, for possible use on return trip.

Harrison Bay, Alaska.

Sept. 1. (Mon.). Clear sunshine a.m. Wind NE. Cloudy p.m. Wind stronger from N.E.

150° 30′ 45″ West Longitude — By Chronometer.
70° 33′ North Latitude — Meridian Alt
On edge of Colville River shoals, North-west or West of Jones Islands (or Thetis Islands).
Clear forenoon: Bright sunshine. Light NE wind. Cloudy afternoon, and wind stronger from NE.

Moved up to Eastward a mile or two, after daylight, but found no opening ahead, and had to tie up to another grounded cake, where we remained all day. Nakmens went to mast-head in boatswain's chair, and said he could see land, apparently two low islands, about seven miles to Southward. Alternating strips of discolored water over shoals with streaks of blue water everywhere to South and East. Very strong current running to Westward all day. Ice outside apparently moving a little towards evening.

A few Loons and Old-squaws flying over.

Harrison Bay – Jones Islands, Alaska.

Sept. 2. (Tues.). Clear a.m. Foggy p.m. Strong E. wind.

Clear forenoon. Bright sunshine for a while. Strong East wind all day. Foggy afternoon, lightening at intervals. Dense fog at 4:00 p.m. Horizon clear again at 8:00 p.m.

Ice opened a little outside and ahead this morning, and some small leads of open water could be seen from masthead. Steamed out 10:00 a.m. and found openings through the pack for about a mile to northward. Water deepened very rapidly to 5½ and 6 fathoms before we got through. Then we hauled around to East and SE, keeping just outside the shore pack. Occasional large masses of ice outside, and large quantities of small broken fragments, all drifting very rapidly to westward. Kept along east in 3½ and 4 fathom line. Fog of varying intensity in afternoon. Passed gravel-hummock island about 2:00 p.m. Behind beach hummocks there appeared to be small low snow-covered hills, but it was difficult

Jones Islands, Alaska.

Sept. 2 (Tues).

to tell whether they were hills or ice-
rodacs, looking through the fog. Fog
became very dense and we were obliged
to stop about 4:00 p.m., tying up to a large
grounded pack in about 3 fathoms of water.
Sky cleared in evening about 8:00 p.m. and
we could plainly see a substantial Cross
beacon ⊕, on a hummocky island about
three miles to ESE., with binoculars.
A thin black line of land visible to south-
ward.

This may be one of E. de K. Leffingwell's beacons — we seem to have missed the one on westernmost of the Jones Islands (Thetis Id.) a beacon put up last summer.

Ice appears to be jammed solidly up against the point of island ahead, and everywhere to north and east appears a dense solid pack of heavy rough ice floes with no open leads.

Pacific Loons — numbers flying west, singly or in bunches of four or five.
Old squaws — numbers seen in the water, or flying.

Jones Islands, Alaska.

Spy Island.

Sept. 3. (Wed.) Foggy a.m. Strong E. wind. Snow.

Foggy forenoon. Occasional flurries of snow. Very raw and chilly. Strong East wind. Two or three seals seen near the ship. Went ashore to investigate. Bottom hummocky - 7 ft. at 100 ft. from beach. Island an almost semicircular sandspit broader at western end with three or four small brackish lagoons. A little moss and grass around basin of ponds. A good quantity of driftwood all around the island. One house frame (recent), not sodded. Beacon an inverted boat about 18 in. in diameter and 8 ft. high on top of sand dune, a few smaller boats around base. Picked up a large wooden ladle.

Young ice fills angle between points of island. Shoal, marked by grounded ice, extends away to SW.

Two Seals seen near tip of island.

Loons - many flying to westward.

Northern Phalarope - two seen.

Old-squaws - many on inner side of island.

47. ♀ Snow Bunting - shot one on island.

Jones Islands. Alaska.

Spy Island.

Sept. 4 (Thurs.) Cloudy a.m. Clear horizon Wind E. Foggy at noon Wind NE.

Cloudy Morning. Horizon clear. Wind east. Beacon (pyramid at base, upright pole and cross bar) ⛯, also four or five thick upright posts (probably Oliktok, Beechey Point) plainly visible to South. Black cut banks extending on both sides of same. From masthead, open water could be seen outside and ahead.

At 9:45 steamed back to westward 3 or 4 miles, then north around heavy pack ice, 5–6 fathoms of water, and then Eastward. Heavy swell from North-Eastward. Foggy towards noon and wind hauled more to Northeast. Land seen ahead. Cruised along low sand spit island for 3–4 miles. Occasional gravel hummocks. Opposite large island in Long sandspit at west end where higher land commences, there is a pyramidal mass of sticks and poles set up. East of this banks of island steep and black (apparently earth) (6–8 ft high. Top of island rolling, grassed over, partially snow-

Jones Islands, Alaska

Learitt Island.

Sept. 4 (Thurs.)

covered. A high, slender, erect pole on highest hummock about 2 miles East of beginning of high land. Mainland shore visible across west sandspit of island. A conspicuous mound in distance, about South.

Bodfish Island. Passed about 3:00 p.m. Two small islands close together. Beacon on easternmost island.

Long Island. Passed about 5:00 p.m. Changed course more to southward (ESE) as we rounded islands of Return Reef.

Egg Island. Sandspit. Beacon (cross). 6:00 p.m.

Glaucous Gull - one seen in forenoon.

Old-squaws - a few flocks seen

King Eider - four females swimming near ship.

Snow Bunting - one seen on ice near Spy Island in the morning.

Black Brant - a large flock seen going west over the islands.

Beacon (cross) visible on mainland (high hill) about 7:00 pm. Tied up to ground ice.

Sketch Map of Jones Islands (Thetis Islands).

Sketch Map — Return Reef to Flaxman Island.

Return Reef, Alaska.

Sept. 8. (Fri.). Cloudy. Wind NE.

Cloudy morning. Clear horizon. Strong NE wind.

Cross beacon visible on high hill on mainland (Kupaurak beacon - leffing well?). Two erect poles on sand spit island about a mile apart (Stump Island?). Cross beacon on island to west, passed last night (Egg Island?). Sailed at 8:00 a.m. Considerable delay in getting engines started. Engines stopped once just after we had cast off mooring lines.

Midway Islands. Cross beacon, Reindeer Id. passed at 10:00 a.m. Low sandspit island. Two smaller islands a little to east of Midway Island (Argo Id.) Considerable heavy ice on outside of islands. Only occasional masses of ice south of island. Course ESE, keeping about 3½-5 fathoms.

Mainland - rather high banks (Head P[illegible] ?) ablaze at noon. Cross beacon on top of bluff. Small sandspit island to northward about 3 miles East of Midway Islands.

Return Reef – Inside Passage.

Sept. 5. (Fri.). At 2:00 p.m., Heald Point just visible on starboard quarter. No signs of land to south and East of it. (Sharavanaktok River delta flats – all very low). Small sandspit island with cross beacon about 3 miles away, on port bow. ( )

Kadlerosilik hill – a steep, high conspicuous hill about 15 miles inland between Kupaurak and Shaviovik Rivers, abeam at 3:30 p.m.

Beacon on End of highland of Shaviovik (Tigvariak) Island on starboard bow at 3:30 p.m. A long sandspit projects 1 or 2 miles from western end of Shaviovik Island. A pyramidal heap of logs on western end.

Saw mast of small boat behind sandspit and two people signalling from beacon.

Pacific Eiders – a few seen

Black Brant – large flock going west 11:00 a.m.

Loons – many flying west, in scattered flocks – counted eighteen in one bunch.

Shariovik Island, Alaska.

Sept. 5 (Fri.) Ran in towards north side of island. Lefingwell's chart showed 1½ fathoms close to land. Found bottom hard and lumpy. Grounded on a hummock, passing suddenly from 11 ft. to 6 ft. Ran out hawser to grounded ice cake and hauled off with winch — about 2 hours work. Ran out about ¾ mile from shore and anchored. Went ashore in dory with Olsen and Blue. Two tents (Eskimo), Kopak (man ca. 40 yrs.) and his wife Oniñya, two small children and a younger man named Gilert. No Caribou killed this summer and they had no meat. No fish were being caught as there was too much ice to set nets. They said Nat-kiñiak ("Billy") had an ice-house near beacon and a cache on mainland near here west of river. Island rather high, tundra. Small fresh water ponds. Large brackish inlet. Much driftwood, but waterlogged. Ruins of old Eskimo near base of sandspit

Shariovik Island – Flaxman Island

Sept. 6. (Sat.) Calm until noon. Cloudy and variable. Shifting fog. Clear sunshine after noon. Light NW wind, shifting to West after 4:30 p.m. Slight westerly current near Shariovik Island in morning. No current on north side of passage. Current running East at West end of Flaxman Island at 4:00 p.m. Westerly current off shore East of Flaxman Island in evening.

Got under way at 5:30 a.m. and steamed NE. Soon sighted Newport Island a low, small sandspit; no beacon.

Pole Island – north of Shariovik Island – marked by a high pole, braced at bottom. Another pole erected about half a mile to SE.

Beloder Island – SE. of Pole Island. Marked by a cross beacon. Very heavy ice surrounding it. A fringe of mushy young ice about ½ mile wide extends all along the south side of the islands – thick enough to deaden the way of the schooner considerably.

Calm until noon. Foggy. Noon – light NW wind. Light W. wind Evening (after 4:00 p.m.). Bright sun in afternoon. Warmer.

Sept. 6 (Sat.). Changed Course to south again—keeping about 3½ fathoms—and soon sighted Mikkelsen Point, at 10:00 a.m. marked by a beacon ⅄. Low land.

Gordon Point—a sandspit about two miles east of Mikkelsen Point. About ½ mile west of Gordon Point there is a beacon ⅄ about the middle of top of high black earth bank.

Changed course to North, and keeping depth of 1¾ to 2 fathoms, found beacon abeam (starboard) at 11:30 a.m. about ½ mile away, through fog. Challenge Island. Passage out west of Challenge Island is supposed to be over 3 fathoms in middle. Considerable heavy ice outside of islands for a mile or two off shore. Outside of this shore ice a lead to Eastward one to three miles wide. Heavy ice all along several miles out.

Photographs

Roll II. #1 ~~Pilot~~ house—front forward 8-1/50-DS

2. F. Johansen heaving lead 8-1/100-BS 12m

Flaxman Island, Alaska.

Sept. 6. (Sat.) *3. Dogs on Schooner Alaska 12 M.

Challenge Island from north, many posts and racks

Elvira Island — pole beacon westend. 12:30 p.m.

At middle of island.

Duchess Island — East end. — a leaning pole. High gravel hummock. East here sandspits run to south-East. Very heavy ice mass outside of Duchess Island: bret leads among them. One iceberg was all of 30 feet high. A string of small spits between here and Flaxman Island. Reached west sand spit of Flaxman Island about 2:00 p.m. Hdqr. E. de K. Leffingwell's house on southern side — long frame house, or three or four connected; rack outside. Two native sod-huts on northside of island opposite Leffingwell's house. Worked through loose drifting ice and tied to grounded cake in 2 fathoms about 300 yds from shore near base of sandspit.

Flaxman Island, Alaska.

Sept. 6 (Sat.) Went ashore in skin boat and met Mr. Leffingwell on sandspit. Returned his charts to him. He arrived here last month as pilot on C.G.S. "Mary Sachs". "Mary Sachs" was delayed here about one week and went East about two weeks ago. Mr. Leffingwell intends to winter here again. Gave him letter to mail if he has a chance at outgoing ships.

He reported ice thick but loose to west and east of island. Young ice pretty heavy inside Flaxman Island this morning. Karluk passed far off shore here.

Worked through loose ice north of Flaxman Island, finding good leads, and fairly open water east of the island 2-3 miles off shore. Abeam of Eastern End of Flaxman Island 4:30 p.m.

Pacific Loons - many going west

Yellow billed Loons - two pair seen

Oldsquaws - very large flocks seen swimming in water.

Glaucous Gulls - two seen. Red Pholaropes 2 seen. No Seals seen.

Flaxman Island and eastward.

Sept. 6. (Sat.) Kept going east at full speed until dark about 8:30 p.m., about 3½ hrs., making about 6 miles per hour, the best running since our start, then reduced speed to about 4 miles per hour until 11 p.m., making about 33 miles East of Flaxman Island. There was a considerable body of shore ice up against the coast all the way along, with a comparatively open lead three or four miles wide between it and the heavy continuous pack ice off shore. We kept a nearly straight course NE½E magnetic, along the southern edge of the pack, just clearing the ends of the long tongues or peninsulas running out from the body of the pack. About 11:00 p.m. we ran into a pocket where the shore ice seemed to extend out, and the offshore pack came in to meet it, and as it was pretty dark and air was hazy, we cruised back and

East of Flaxman Island, Alaska.

Sept. 6 (Sat.). forth waiting for daylight in hope of finding an opening. Too much floating ice to anchor, and we could find no grounded ice to tie to. Lay on forecastle head, and foreyard pretty steady from 8.30 to 1.00 a.m. on lookout for ice. The small, nearly submerged solid chunks ("Growlers") were very difficult to distinguish. We were running at low speed, but fair wind and strong eastward current drove us ahead pretty fast.

Camden Bay, Alaska.

Sept. 7 (Sat.). Cloudy. Light snow at intervals during early morning hours. Fairly strong SW wind. Wind lowered a little in forenoon. Sky cleared during day.

Cloudy. Light Snow. Wind SW.

Cruised back and forth in little bay in the angle of ice pack until daylight, about 2:30 a.m. (Ship's time, a little slow), then cruised back several miles trying to get around the end of an opening into the off-shore pack. Got out into water about 10 fathoms depth = probably miles off shore, but found it impossible to find opening, and then headed back towards land. Fog pretty thick at 5:00 a.m. but we made three or four miles to eastward along 5½ fathom line, getting occasional glimpses of land about 6:00 a.m. Shore ice and pack pretty close together. Anchored in about 10 feet but hauled up again very soon and

Collinson Point, Alaska.

Sept. 7. (Sun.) moved about a mile west and anchored again. Ice began to close in and we moved back to a spot near our first anchorage.

Eskimo camp on sandspit at end of high bank, about 5 miles East of Collinson Point. Two cross beacons and a log cache near end of bank. A long sandspit extends to eastward with a bay or lagoon behind it, near mouth of Saliro'chit River. Natkusiak ("Billy") and some other Eskimos camped here. They say a shoal runs out from near base of spit, with deeper water outside. Extensive shoals to the eastward for several miles off the Salirochit River.

In the forenoon, a whaleboat came from the East, with Mr. James Allen and seven Point Hope Eskimos. They reported that S.S. "Belvedere" was caught in the heavy ice about 1½ miles off Demarcation Point, had been unable to reach

Sept. 7. (Sun.). Herschel Island, and Captain S. F. Cottle had given up hope of getting out of the Arctic this year. Mr. Allen has a whaling station at Point Hope and wanted to get back, and the seven Point Hope natives being engaged for a Summer's whaling voyage only, wanted to go home; so they started for Point Barrow with a whaleboat. They say the ocean is packed full of ice from here eastward and they had difficulty in getting a whaleboat along the shore and had to portage it in one or two places. The schooner "Elvira" (Capt. C. T. Pedersen) and schooner "Polar Bear" (Capt. Louis Lane, of Nome) are also caught in the ice about ten miles off Demarcation Point. It was not known whether they had reached Herschel Island. They had succeeded in passing inshore near where the "Belvedere" was caught, and had

Collinson Point, Alaska.

Sept. 7. (Sun.). been out of sight for a week, but were not spoken to after their return west. Mr. Allen says that Capt. Cottle and the other whalers agree that this is the worst season for ice ever known in the Arctic Ocean from Point Barrow east. The smoke of the "Karluk" was seen far offshore some time back. Mr. Allen says that no whaler would venture out so far when the heavy ice is as thick as it is this summer. The schooner C.G.S. "Mary Sachs" had not been seen to Eastward. The masts of a schooner became visible during the forenoon as the fog cleared away and we decided to run back to Collinson Point, where the schooner is lying. Found "Mary Sachs" anchored in about two fathoms of water outside of Collinson Point and left. Some ice along the beach but only occasional cakes drifting by to Eastward

Collinson Point, Alaska.

Sept. 7. (Sun.) "Mary Sachs" arrived at Cape Smyth. (Aug 15) and passed Point Barrow the same day. Last saw Karluk off Cape Prince of Wales.

Arrived Flaxman Island 9.30 a.m. Sept. 19. and left on 25th (ran down to East end of island but could not get out, and came around on 26th. Arrived Collinson Point 12.00 m. August 27th, and anchored. Went about ten miles to Eastward, but were stopped by ice and returned to Collinson Point Sept. 6th.

Karluk passed Flaxman Aug. 15th (Sat

Bought one Seal from Nattkuniak, who killed three yesterday. Paid 1 can Baking Powder, 1 can milk, and ca. 5 lbs. Sugar. Also 6 Whitefish for 1 plug Tobacco.

Collinson Point, Alaska.

Sept. 8 (Mon.). Cloudy. Snow most of day. Wind W.

Cloudy. Snowing most of the day, beginning about 10:00 a.m. Tundra nearly bare in morning, only slightly frosted by snow, but nearly white in evening. Wind about West true all day, but lowered towards evening. Tide has been rising for some time, loosening the grounded cakes along side of sandspit. Tide fell several inches in evening. Put dogs ashore and chained them up. Five dogs broke loose during the night, and four of them "Bob," "Kelly," "Tip" and "Towser" killed "Mule" a dingy-colored Malamute bought from Harry Barnett of Teller. The guilty dogs were pretty bloody in the morning.

Mr. Cox and I went out four or five miles on the hills, and killed one Black Brant, three Pintail Duck and ten Ptarmigan.

Collinson Point, Alaska

Sept. 8 (Mon.)

An Eskimo, named Kunagnaina with wife and four children, camped near end of sandspit. They wanted tobacco and I gave the woman one plug T. & B., (and she gave me one Black Brant and three old squaws. The man deferred matters to his wife, as to whether she could spare any ducks at all and the amount of pay wanted for same.

Took skin boat out, with Nahmens and Olsen and sounded out the channel around the point of the sandspit. Found 6½ and 7 ft. between top of sandspit and low bar sticking about 8 in. out of water about 10 yds off point. Found 10 feet of water all around the point and up to near the end of lagoon. Seven feet about 200 yds. from shore near horses; 5 ft. about 50 yds from beach

Collinson Point, Alaska.

Sept. 8 (Mon.).

#48. ♂ Black Brant (Branta nigricans). Saw one in pond with three Pintails, and Mr. Cox shot it. One flock of six or seven flew over. Kunagnaenna says that the Brant were numerous here a short time ago, but most of them have gone west.

Pintail Duck (Dafila acuta). Three killed in a little brackish pond near the coast.

#49. Dafila acuta ♀
#50. " " ♂
#51. " " ♂

Old squaw (Harelda hyemalis). Number of flocks seen. Shot two in morning (young birds, but well-feathered, and able to fly well). Shot an adult ♂ in evening in lagoon. The wing-quills were short and he was unable to fly. Two middle tail-feathers very long, and remainder short and stubby.

#52. Harelda hyemalis ♂

Rough-legged Hawk — one seen flying over.

Collinson Point, Alaska.

Sept 8. (Mon.)

Pomarine Jaeger - (Stercorarius pomarinus) Two seen flying over.

Willow Ptarmigan (Lagopus l. lagopus) Walked several miles across upland tundra and saw only four. Coming back across flats near coast nearly walked over a bunch of about twenty, and Mr. Cox and I killed ten, mostly full-grown young birds, only one adult male. All were in nearly full summer plumage, but numerous white pin feathers; a few white feathers visible on surface.

Lapland Longspur (Calcarius l. lapponicus) several seen on tundra - Johansen shot one. *58. C. l. lapponicus.

Snow Bunting (Plectrophenax nivalis) a few seen near the coast.

Glaucous Gulls - a few seen

Short-billed Gull - (Larus brachyrhynchus) A fair ♀ specimen shot by Johansen.

Collinson Point, Alaska.

Sept. 8. (Mon.)

*57. Larus brachyrhynchus ♀ Short-billed Gull. Iris brown. Feet flesh color. Plumage mottled dusky grayish, tips of rectrices dull black.

Spermophiles (Citellus parryi sp.) Several seen on the hills. Burrows numerous.

Mice – numerous holes of mice or lemmings seen on tundra.

*53. ♂ Lagopus lagopus lagopus.
*54. ♂ " " "
*55 ♀ " " "
*56. ♀ " " "

Collinson Point, Alaska

Sept. 9. (Tues.). Calm. Cloudy. Wind N.W.

Calm at 2:30 a.m. and until noon. Cloudy. Considerable young ice formed in bay inside of sandspit during the night. Spent most of the day skinning birds. Bernard hitched up a team of eleven dogs and took them up on the tundra to try them out. Chipman and O'Neill went along and shot three Black Brant out of a flock which flew over. Blue brought in a large male Spermophile #259. The men who went inland saw large numbers of Spermophiles and the dogs killed two.

Old-squaws - numerous.

Glaucous Gulls - a few seen.

Loons - a few seen.

Pomarine Jaeger - one alighted on an ice cake near ship, and I shot at him and missed.

From top of hills ice was seen to be close in on point ahead.

Collinson Point, Alaska

Sept. 10 (Wed.) Cloudy, wind NW.

Cloudy all day. Light NW wind. Offshore ice has apparently moved in nearer. Decided in conference last night that owing to lateness of the season, and the abundance of ice to Eastward that we could not get further than Herschel Island even if the ice should move off a little during the next few days, and decided to winter here, where schooners can be hauled up safely. Scientific work from here to the Mackenzie River can be carried on practically as well from here as from any point west of the Mackenzie.

Moved in within 3 fathoms of beach and unloaded all of deck cargo except three drums of gasoline. "Mary Sachs" went down coast and cut some timbers to make a "land crab" for hauling up schooners.

Red Phalarope - One (in full plumage) shot by Chipman.

Glaucous Gull. - A few seen. One Brant seen.

Mouse. - - - Caught by Johansen.

Collinson Point, Alaska.

Sept. 11. (Thurs). Cloudy all day. Wind NE.

Cloudy all day. Wind NE.

Raw schooner in close to beach, put planks on cakes of grounded shore ice and unloaded four gasoline drums and all of the cargo from hold. Considerable ice coming in from NE. Had some difficulty in getting out in evening, being grounded and jammed among ice cakes. "Mary Sachs" took a hawser from us and pulled us out. Tried to run around to inside of sandspit just after dark, but fog came up and we had to anchor some distance outside. Several ice cakes drifted down during the night and made considerable trouble fouling the anchor chain.

62. ♀ Rough-legged Hawk. (Archibuteo lagopus sancti-johannis). One shot by Mr. K. Chipman. ♀ 62. Stomach contained mouse hair and bone

Golden Plover (Charadrius dominicus). A small flock seen flying over.

Collinson Point, Alaska.

Sept. 11. (Thurs.)

* 61. ♀ Falco. rusticola rusticola falcon
One flew over the schooner Karluk in the Early morning and the second time I shot him.
L. 25. W. 15.25; T. 10.50; Ts 2.25 Td. 2.50 E.
Iris. Brown ~~Feet~~.
Cere.

Old squaw – a few seen in lagoon.
Loons – a few seen.
Glaucous Gull – a few seen.
Pomarine Jaeger – one flew over.
Northern Raven – two or three seen.

Collinson Point, Alaska.

Sept. 12. (Fri.)

Cloudy all day. Fairly strong NE wind. Big ice cake fouled anchor chain in morning and we had to get out about fifty fathoms of chain to get clear. Came around inside sandspit, though about 7 foot channel. Anchored about 300 yds. behind small lagoon near Duffy O'Connor's old home. Wind increased all day, a NE gale in afternoon and evening.

Cloudy all day
Fairly strong
NE. wind

Unloaded part of goods which were stored in after cabin, putting stuff in tents on shore.

Rough-legged Hawk (pale specimen) #63 ♀ Archibuteo Lagopus Sancti-johannis. It was sitting on a log on sandspit and I tried to go and missed, but dropped the Hawk at about 50 yds. on second shot.

Red Phalaropes - Numbers along the back inside of lagoon.

Glaucous Gulls - a few seen. Loons do.

Old squaws - a few small flocks in lagoon.

Collinson Point, Alaska.

Sept. 13. (Sat.) Cloudy. Strong NE wind.

Cloudy. Strong NE wind. Finished unloading cargo of Alaska.

Black Brant – several flocks went over in the Early morning, and Kunagnanna shot several at the West end of sandspit. Got four from him for a can of baking powder and some dried apples.

*64. Branta nigricans. ♂ juv.

*65. " " ♀ ad.

Old squaws – a few in lagoon.

Glaucous Gulls – two or three seen.

Red Phalaropes – a number of small flocks along the beach, inner side of sandspit. They were very tame, and persons could approach within ten yards. Shot thirteen in two or three shots.

*66. ♀ Phalaropus fulicarius. 67. ♀

68. ♀ " 69. ♀ "

70. ♂ " 71. ♂ "

72. ♂ " 73. ♀ "

74. ♂ " 75. ♂ "

76. ♂ " 77. ♂ "

All were excessively fat.

Collinson Point, Alaska.

Sept. 14. (Sun.) Cloudy a.m. Hazy most of the day. Light NE wind.

Cloudy a.m. Hazy and foggy most of the day. Light NE wind. Started for fishing place on Hula-hula River, hoping to secure some Salmon Trout in the pools where we fished in Sept., 1908. Started with Olavus Olsen at 9:45 a.m. light sled and six dogs, Snowball and Towser, Bob and Jack, Kelly and Tip. Followed a general SE course, only occasionally getting a glimpse of foothills on account of fog. Tried to go up river back of Collinson Point, but found that ice was too thin, and bed too rocky, so went out across the tundra hills. Not very much snow within three or four miles of the coast, but more further inland. Crossed several small creeks and camped in small rocky creek about 5:30 p.m. No wood but a few small dead sticks gathered from the willow brush.

Collinson Point, Alaska.

Sept. 14. (Sun.)

Willow Ptarmigan (L. l. lagopus)
Saw a few small flocks on upland tundra. Protective coloration was very good on upland where snowfall was light and much bare ground was exposed in little spots. In valleys where snow was more uniform the birds were quite conspicuous as they were mostly in summer plumage; all had some white feathers coming out; many pin feathers. Shot two. They crouched low on uplands and we sometimes passed within a few yards. Towards evening, in the valleys they were very wild.

Lapland Longspurs — a few on tundra.

Snowy Owl — saw one on a little knoll several miles inland.

Arctic Foxes. — saw three at different times — at distances 300-500 yds. One very dark, with saddle-like marks on sides. Many tracks everywhere.

Spermophiles (Citellus parryi). Numbers seen on hills near the coast.

Collinson Point, Alaska.

Sept. 14. (Sun.)

Mice — Numerous holes and runways of Mice and Lemmings seen everywhere on the tundra, also numerous tracks. Four years ago (1908), small mammals (excepting Spermophiles) were very scarce.

Hula-hula River, Alaska.

Sept. 15 (Mon.) Cloudy all day. Wind SE. Snow in night.

Cloudy all day. Wind SE. Slight fog or haze. Willow Ptarmigan numerous around camp, calling loudly in the early morning. Went after a flock of about one hundred in thick small willows, but they were very wild and I got none.

On trail 8:10 a.m. Crossed broad stream, several shallow channels with stony bars, very little water; some willow drift on bars (Sa-li-xō'chit R.). at 9:10 a.m. Reached East bank of Hula-hula about 11:50 a.m. after crossing about a mile of stony bars. Camped a short distance below first rock exposure on river (folded yellow and black carbonaceous shale). Willows 7–8 ft. high, considerable willow drift on bars. Went up river in afternoon to look for fishing pools. Open water in rapids, but all the larger pools were frozen over, except some unfrozen in middle. Considerable masses of loose "anchor-ice"

Sept. 15. (Mon.) adhering to rocks on bottom in places. Went up as far as first sharp bend into the high foothills.

A creek having a uniform width of about 30 yds. and depth of 6 to 12 inches rises in hills about ½ mile west of the Hula-hula River; apparently fed by warm spring as there was no ice at all in this creek.

Glaucous Gulls - Saw two flying singly up the river.

Pintail - Saw a small bunch in warm creek. Shot one. #78. D. acuta ♀

Red-breasted Merganser - (Merganser serrator). Saw flock of about a dozen flying up the creek.

Black Brant - small flock on bank of creek.

Snow Bunting - a few seen along the river.

Tree Sparrow - several seen in willow brush along the creek.

Pipit - Anthus rubescens - two or three on creek

Hula-hula River, Alaska.

Sept. 15. (Mon.)

Snowy Owl (Nyctea nyctea). Saw one on flats near river.

Short-Eared Owl (_____ accipitrinus). Saw one flying about over tundra.

Duck Hawk (Falco peregrinus anatum). Saw one flying about the bluffs on river.

Rough-legged Hawk (A. l. Sancti-johi). Saw several flying about the bluffs, soaring overhead, or resting on the tundra.

Redpoll (Acanthis sp). Saw one alone and a small flock later.

Northern Shrike (Lanius borealis). Saw one in the large willows near camp. Shot at it, and missed. Chased the bird for some time without avail, as it was very wary. Saw another one about half a mile up the river in the afternoon, also very wary, and I could not get within range. This is the only occasion that I have seen a Shrike in the Arctic, with

Hula-hula River, Alaska.

Sept. 15. (Mon.) the exception of a single specimen seen near the tree-line in the Mackenzie delta in September, 1909.

Fly catcher— Saw a large fly catcher-like bird, about the size of a Robin, sitting on top of a willow bush near the warm creek. Chased it for about half a mile without getting a successful shot at same.

Willow Ptarmigan— large flocks — 50 to 100, every quarter of a mile or so, in willow thickets along the river. They were very wild however, and I shot only four. Plumage mostly brown still.

Spermophiles— Common on the islands and on bank of river, Chattering noisily. Killed three with shotgun.

*79. ♂ Citellus parryi. 405-120-60.

*80. ♀ " " 375-108-59.

*85. ♀ " " 410-117-60; wt. 1lb. 8oz.

Hula-Hula River, Alaska.

Sept. 16. (Tues). Snow during night and all day. Wind SE.

A little snow during night, and continuing all day. Strong SE wind. Olsen and I went up river looking for fishing-pools, but found no favorable places, and saw no fish. Ice was strong enough to bear us up in most places on Hula-hula River. Went across to the warm creek and shot four out of a flock of Pintails. This Creek is apparently too shoal for large fish, but we saw a few small black fish (ca. 3 or 4 inches long), perhaps Grayling

Pintail – two flocks of 10–12 each seen. Shot four. Another killed in same place in the evening. They were feeding on roots of a long submerged water-grass which was abundant in the creek.

*82. ♀ Dafila acuta

*83. ♀ " "

*84. ♀ " "

Hula-Hula River, Alaska.

Sept. 16. (Tues.). Black Brant (Branta nigricans). A flock of about a dozen flew up from bank of creek, and alighted again within half a mile. We followed them up, but could not get within gun-shot.

Redpoll (Acanthis sp.). Saw one.

Lapland Longspur – Shot one on bank of creek in tall grass #86.

Western Tree Sparrow – Several seen along banks of creek, dodging in and out of the small willow brush. I shot several times but was unable to kill any. I could not get near enough to use fine shot, and large shot scatters too much.

Duck Hawk – one seen along bluffs of river.

Rough-legged Hawk – several seen.

Short-eared Owl – one seen.

Glaucous Gull – two juvenal specimens seen. Shot one. #81. Q. L. hyperboreus juv.

Hula-Hula River, Alaska.

Sept. 16. (Tues.)

Willow Ptarmigan – Heard Ptarmigan calling around camp in the early morning. Saw a few in the forenoon but shot none. Shot four in the afternoon.

Spermophiles – saw a few, but they were not ranging much on account of the snowstorm.

Mouse – runways and holes are numerous. Olsen killed one near camp.

#92 ♂ Microtus Sf. 113-32-18.

Northern Raven (Corvus corax principalis). – two or three seen flying over.

Hula-Hula River, Alaska.

Sept. 17. (Wed.). Cloudy. Light snow a.m. Wind NW. Clear p.m.

Cloudy most of day. Light snow fall during middle of the day. Wind NW. Clear in evening. Started for coast. On trail 9:15 a.m. Crossed Salirochit? 11:00 a.m. Old camp Creek 12:00 m. Came in sight of coast a little before dark and camped in willows in river bed about 6:30 p.m. Struck river north of high bluffs, and followed bend too far to westward instead of cutting across country as we should have done.

Willow Ptarmigan — Saw occasional small flocks during the day — one large flock in bed of Salirochit, and killed two. ♂ & ♀ L. l. lagopus.

Black Brant — Heard calling on Hula-hula in early morning. In the afternoon a flock of about a dozen was seen going south towards the mountains.

Rough-legged Hawk — one seen flying over.

Hula-hula River — Collinson Point.

Sept. 17. (Wed.)

Northern Raven — two or three seen.

Snow Bunting — one seen.

Tree Sparrow — one seen in willows along river about five miles south of Collinson Point.

Spermophiles — numbers seen near the Hula-hula River and several on the river back of Collinson Point. Shot one

*87. Citellus parryi.

Collinson Point, Alaska.

Sept. 18. (Thurs). Cloudy a.m. Light NW wind. Clear p.m. Warmer.

Cloudy morning. Light NW wind. Clear in afternoon. Warmer. A few Willow Ptarmigan flew over in the morning. On trail 8:15 a.m. and reached house 9:45 a.m. Found house finished and occupied. "Mary Sachs" had been run up pretty near the beach and grounded. "Alaska" had been steamed across to south side of bay yesterday and got caught in heavy slush ice and could not be extricated. The men were obliged to stay on the schooner all night, and in the morning they were able to go ashore by using skis. Nahmens had started building a storehouse and Bernard was building a dog house. Ice is pretty strong for some distance off shore - frozen as far as we can see. There are still some open spots in the lagoon.

Collinson Point, Alaska.

Sept. 18. (Thurs.) Willow Ptarmigan — a few on creek in early morning.

Snow Buntings — saw a few around the house.

Old-squaws — a few in open spots in the bay.

Spermophiles — many seen along the banks of the river.

Bought from Kunoguaruna a piece of white wolfskin for trimmings for four bunches of Chewing Gum.

Collinson Point, Alaska.

Sept. 19. (Fri) Clear. Cold. 10°F. Wind NE.

Clear all day. Cold: Minimum +10° F during the night. Wind NE. Spent all day checking up and assorting clothing stores. Am issuing to the men winter equipment as fully as possible, charging each man with each item. Took two photos.

II - *4. Hauling wood. Team hitched Nome style. Bernard, Olsen, et al. 8 - 1/100 - B.S. 2:30 p.m. (Spoiled)

II. *5. do. at 50 ft. "

Snow Bunting - two or three seen around the house.

Sabine's Gull - one juvinal specimen found dead by J.J. O'Neill.

*96. ♀ Xema sabinii juv.

Lemming. One caught by O'Neill while piling up driftwood logs on east side of bay.

*91. ♂ Lemmus s.f. 127-18-18.

Collinson Point, Alaska.

Sept. 20. (Sat.). Clear. + 12° F. Wind NE.

Clear all day. Rather cold. + 12° F. Light NE wind. Spent day inventorying and packing Equipment. Men putting "Alaska" in shape for winter, building dog-house and piling wood.

Several seen around house.
Snow Bunting - 1 one killed by F. Johansen.
*93 - Plectrophenax nivalis.

Snowy Owl - one seen on tundra by Johansen.

Mouse - (Microtus sp.) Very abundant everywhere, running about the floors of the house and in the tents where we have cached our stores. One killed
*94 ♀ Microtus sp. 128 - 32 - 19.

Paid Kunaqnanna for scraping (tanning) six Reindeer skins for clothing. 2½ fathoms (5 yds.) of Cotton Cloth - enough for a woman's dress, and 2 fathoms of print Calico - for little girl's dress. Engaged Mrs. K. — to scrape three skins and make sleeping bag - for one small man.

Collinson Point, Alaska.

Sept. 20. (Sat.) Kunagnanna says that he is in a hurry to go to the mountains to hunt Sheep, as his family is getting tired of living on white men's food and want Nirkapiak (meat). Says he has "plenty" flour (11 sacks), rice, and sugar, but little meat except occasional Ptarmigan. He has killed some Seals, but they are "inland" people, and do not like Seal meat very well. K. has four children, — girl about 11–12, boy (half-witted) ca. 8–9, girl ca. 5, and boy about 1 yr. He says one of his children died some time ago. The baby boy scalded one arm and one leg badly several days ago by upsetting a tea-kettle while his mother was out of the tent, and I have been dressing the sores — a bad burn

Collinson Point, Alaska.

Sept. 24. (Sun.). Clear 9 a.m. Cold. Light NE wind.

Clear most of day. Slightly hazy in afternoon. Cold morning, warmer in afternoon. Light NE wind.

F. Johansen went up on tundra and saw a few Ptarmigan. Also shot a young Arctic Fox, fur mostly blush.

* 95. Vulpes lagopus innuitus Jyr. ♂

L. 845 mm. Tail 320 mm. Hind foot 136 mm.

This fox was quite fat.

Color:

Collinson Point, Alaska.

Sept. 22. (Mon.) Clear a.m. Strong NE wind. Slight haze in afternoon

Clear in forenoon. Strong NE wind. Slight haze in afternoon.

Kunaynanna brought back a sleeping bag made by his wife from three Reindeer skins which she scraped and sewed together. Paid out Compass saw and 2½ fathoms white drill.

Snow Buntings – a few seen around the house.

Lemming. One young specimen killed by F. Johansen on edge of tundra. *96. ♂ 99-14-17.

Spermophile – Two were caught by Andrew Noraun in small traps set near house.

		Weight lb. oz.
*106. ♂	Citellus parryi	430-127-66
*107. ♀	" "	388-120-63.

Collinson Point, Alaska.

Sept. 23. (Tues.) Wind NE in morning. West in afternoon. Cloudy.

Cloudy. Wind NE in morning. West in afternoon.

Moved the provisions from main cache of "Alaska" to new storehouse. Found house too small for much more than the provisions and started an addition to the house.

Snow Buntings - a few around the house most of the day, picking up scraps.

Pacific Eider (Somateria V-nigra). Found a ♂ crouched down behind our cache, much emaciated and very weak. Took him into the house. He refused to eat at first, but after two or three forcible feedings, he began to pick up for himself. Color. Head grayish streaked; back white with numerous transverse cloudy gray marks. Black below.

#10. ♂ Somateria V-nigra.

Collinson Point, Alaska.

Sept. 24. (Wed.). Cloudy 9 a.m. Wind W. Clear p.m.

Cloudy a.m. Wind W. Clear p.m. Men hauling wood for finishing dog-house, storehouse, etc. Took one photograph.

III. ½. Big sled load of wood. (2 pooled)

8 - 1/50 - Dull cloudy. 10:30 a.m.

Spermophiles - Saw several out, near the house. Fired shot over but tore it badly with 30-30. Andrew Noram trapped one.

*108. Citellus parryi ♂ 410 - 120 - 63.

Collinson Point, Alaska.

Sept. 25. (Thurs). Cloudy all day. Wind NE. Rain after 4:00 p.m. Spent day enlarging storehouse. Moved some goods from cache.

Cloudy all day. Wind NE. Rain after 4:00 p.m.

Mice – Very abundant around house and in cache. Caught one in cache

#98. ♂ Microtus sp. 152-43-18.

A mouse caught in the house soon became very tame. We put a string collar around his neck and after sticking him for a few minutes, holding him in the palm of the hand, he soon ate greedily of anything offered to him.

Glaucous Gull – a juvenile specimen (pale grayish colored) remains near the house. Two or three others seen.

Snow Buntings – several seen around house.

Collinson Point, Alaska.

Sept. 26 (Fri.). Cloudy all day. Ground covered with sleety snow. Rain in afternoon. Light snowfall in evening. Wind NE.

Cloudy all day. Sleet on ground. Rain p.m. Snow in evening. Wind NE.

Moving stores into storehouse. A square caché was built out of our gasoline and distillate cases (ca.) roofed with tarpaulin and beef and pork barrels, coils of rope, and dried dog salmon put inside. Five mice were caught in moving the salmon from pile on ground and two or three in old igloo. Put them all into a wooden box but the live mice began eating the dead ones. Skinned two

#99. ♂ Microtus sp. 133-35-19.

#100. ♂ " " 145-33-18.5.

Glaucous Gull - one young Gull remains near the house picking up scraps. He seems to be in good condition.

Collinson Point, Alaska.

Sept. 27. (Sat.) Cloudy. Calm.

Cloudy. Calm. Ground covered with snow and sleet. Moved remainder of our stuff from two tents into the storehouse.

Snowy Owl. (Nyctea nyctea). Two seen on piles of stacked wood about 600 yds. from house. Stalked them without success.

Glaucous Gull. Young bird remains around house and is getting very tame - allows people to approach within 25-30 feet.

Tundra Weasel. One seen while moving stuff from tent. The boys finally chased it into a hole in old sod igloo. Color, brown above, whitish below. Set traps for same.

Mice. Olsen saw a "white-faced" mouse in tent but could not catch it. Several other mice killed:

*101. ♂	Microtus sp.		140-39-21.
*102. ♂	"	"	117-31-19.
*103. ♂	"	"	126-29-18.5.
*104. ♂	"	"	123-28.5-19.

Kunagnanna brought in ten Willow Ptarmigan (nearly white now). Bought for ca. 1 lb. black powder.

Collinson Point, Alaska.

Sept. 28. (Sun.) Cloudy all day. P.M. wind light, Easterly wind NW in evening, with snow.

Cloudy all day. Light easterly wind in forenoon. Wind strong NW in evening. Snow falling in evening.

Mice- one house in trap in old cglue.

#105 ♀ Microtus sp. 122-29.5-18.

Glaucous Gull- young Gull remains around house.

Snowy Owl- Fred (Eskimo) went up the river several miles to Eskimo Camp, and shot a Snowy Owl, but neglected to bring it back (left with Kunagnanna).

Willow Ptarmigan- Fred shot one, and reported that Kunagnanna killed 21 this morning near his camp, a few miles up the creek in small willow brush.

Collinson Point, Alaska.

Sept. 29. (Mon). Cloudy. Wind NW. Snow drifting.
Cloudy Cold. Finished putting covering
Wind NW. on storehouse. Moved balance of
Snowdrifting goods from last tents to storehouse.

Mice— Mice have been doing quite a bit of gnawing on stuff in tents — leather goods, dog collars, straps, etc. The house is overrun with mice, and they run out around the floor at all times. Mice gnawed a large round hole in a Caribou skin coat which was lying behind my bunk for a day or two.

Spermophile - (Citellus parryi). Johansen reports that now the Spermophiles are eating leaves of a Compositae (Armica sp) which are growing green under the snow, while the tops are dead and withered.

Collinson Point, Alaska.

Sept. 30. (Tues.) Clear a.m. Cold. Light NE wind.
Clear a.m. Cold. Light NE wind. Cloudy p.m. wind strong in evening with Snow.

Cloudy p.m. Wind strong NE in evening, with snow. Party of six (Chipman, Cox, O'Neill, Bernard, Kahmeus, and Fred) with two sleds, went for a trip a few miles inland for a two or three days' hunt for Ptarmigan. Took down tents which had been used for storing goods.

Spermophile - Mr. Blue went after water and killed one Spermophile with .22 Automatic. The animal was very fat weighing 1 lb. 14 oz. Under parts grayish, a little Yellowish

Mouse - Killed one among sticks used to floor tent. *109 ♂ Microtus. sf. 131-31-19

Snow Buntings - a few around house -

Glaucous Gull - Young gull remains around house and schooner. Today he ate up about half of a Ptarmigan lying on top of the pilot house.

Loon - one flew over, going west.

*111. ♂ Citellus parryi. 413-105-66.
Weight 1 lb. 14 oz.

Collinson Point, Alaska.

Oct. 1. (Wed.). Cloudy. Strong N.W. wind. Snow drifting.

Cloudy. Strong N.W. wind. Snow.

Glaucous Gull – remaining around house, and resting on edge of open space in lagoon.

Mouse – one caught in house.

*111. ♂ Microtus sp. 128-29-19.

A very disagreeable day – snow drifting thickly, and very wet and sticky, quickly wetting through the garments of people outside.

Collinson Point, Alaska.

Oct. 2. (Thurs.). Cloudy a.m. Light NE wind Clear p.m.

Cloudy a.m. Wind light NE. Clear p.m.

Hunting party came home in afternoon, having camped about ten miles inland since Sept 30th. They had killed 83 Willow Ptarmigan, and brought back 63 Ptarmigan and 6 Spermophilus. Most of the Ptarmigan had assumed nearly entire white plumage, with only occasional streaky brown feathers. One female had back nearly all brown still

Willow Ptarmigan. ♂113.5 L. l. lagopus. ♂114.5

Twenty-five Willow Ptarmigan weighed 37 pounds, and twenty-five others 38 pounds; total 50 Ptarmigan = 75 lbs.

115. Spermophilus parryi. 315-167-62. Weight, 1 lb. 2 oz.

116. S. parryi. 415-124-64. Weight 1 lb. 5 oz.

117. " " 405-114-64 " 1 lb. 9 oz.

118. " " 420-122-65 " 1 lb. 3 oz.

119. " " 394-115-61 " 15 oz.

120. " " 437-135-65 " 1 lb. 8 oz.

Collinson Point, Alaska

Oct. 2. (Thurs).

Snowy Owl – one was seen a few miles from the coast.

Hawk – one large Hawk, probably a Rough-leg, was seen by Mr. Cox.

Arctic Fox – several Foxes were seen, one at least mottled with dusky; tracks were very numerous.

Old-squaws – A large lead of open water opened up from NE, nearly to shore, a little west of the house. A flock of twenty or more Ducks soon seen in the water and Olsen and Narom went out with skin boat and killed Eight Old-squaws. Two males had assumed the winter plumage with white on head.

121. ♀ Harelda hyemalis

122. ♂ " "

123. ♂ " "

124. ♂ " "

Eider – one was wounded in the water but managed to escape.

Collinson Point, Alaska.

Oct. 3. (Fri.) Clear. Light NE. wind.

Clear. Light NE. wind.

Glaucous Gull just around the house picking up scraps.

Mr. Blue shot two Spermophiles with .22 Automatic, both specimens being quite red on the belly.

Mouse - one trapped in house. Mr. Blue found a mouse in his slipper when he pulled it on in the morning. This mouse had an amputated tail with end barely healed. Several mice have been killed and found to have stub tails with scarred ends.

#125. Microtus sp. ♂ - 163-38-19

Spent most of day working in storehouse.

Collinson Point, Alaska.

Oct. 4. (Sat.) Clear. Light NE wind. Calm in evening.

Spent most of day working in storehouse, arranging and sorting various articles of Equipment.

Chipman, Cox and O'Neill are Engaged in surveying the harbor, bay and a section of Country adjacent

Mice – numerous in storehouse, coming out at all times. Caught three in a short time by re-setting trap at one hole.

* 126. Microtus sp. ♂ 131-33-19
* 127. " " ♂ 121-32-18.
* 128. " " ♂ 121-22-18

Glaucous Gull. The young Gull still remains around the house and is pretty tame. Today he was accompanied by another Gull which was much more wary.

Collinson Point, Alaska.

Oct. 5. (Sun.) Clear, bright sunshine. Light NE wind.

Clear, bright sunshine. Light NE wind. Thick fog in afternoon

O'Neill and Bernard started about 6:00 a.m. with eleven dogs to go to Flaxman Island, as we wish to have news of Mr. E. de K. Leffingwell before going to Flaxman Island. Mr. Leffingwell is wintering alone at Flaxman Island.

Blue and Crawford started about 7:30 a.m. on a hunting trip back towards the foothills, for Ptarmigan, taking the light N.Y. sled and four of Blue's dogs.

Glaucous Gull - the young Gull, which has been christened "Barney" was sitting on top of entrance to house, and showed no alarm when I approached within six feet of him. I went inside to get my camera to photograph him, but when I came out, found that he had flown down to the ice.

Mouse - caught one in trap in storehouse

#129. Microtus. ♂. ♀ 122-31-18.5.

Collinson Point, Alaska.

Oct. 5 (Sun.)

Arctic Fox. About 5:00 Olsen came in saying that a White Fox was just outside of the house and had come up within six feet of him. We ran out and the Fox ran to the edge of sandspit about 75 yards away and stopped to look at us. A shot or two were fired and the Fox ran out among some rough ice blocks. As we stood on the shore looking for a sign of the Fox, the Fox came walking out towards us, and Mr. Fox shot him through the thigh with .22 rifle. The Fox came straight out and began whirling around and around, then approached whining nearer and Mahmens knocked the animal over with a block of ice. The Fox was of a whitish appearance, but hair was short, and bluish fur showed underneath all along the back

#130. ♀ Vulpes lagopus innuitus Merriam

L. 805. T. 270. H.F. 120

Thick fog after 4:00 p.m.

Collinson Point. Alaska.

Oct. 6. (Mon.). Wind NE during night. NW in morning Cloudy day Clear in evening

Fairly strong NE wind during the night. Light NW wind in morning Cloudy all day. Chipman working on survey of bay. Johansen and Cox working with tide-gauge and current-meter. Find it impracticable to set up McKinley's anemograph owing to lack of necessary parts.

Gulls - two young Gulls around house, very tame today. One, the tamest one, is larger and somewhat lighter colored than the other. The latter is probably the Glaucous-winged species (Larus glaucescens).

Clear in evening. Brilliant Aurora borealis.

Collinson Point, Alaska.

Oct. 7 (Tues.). Clear all day. light NW wind.

Clear all day. light NW wind. O'Neill and Bernard returned from Flaxman Island about 3:00 p.m. They had reached Flaxman Island 5:00 p.m. Sunday, had found open water near East end of Flaxman Island near mouth of Kugarok (Canning River) and got lost in thick fog. They found one of Leffingwell's beacons south of Flaxman Island (ca. 3 miles) and followed tracks to house. Eleven willow Ptarmigan were killed on the way over and four on the return trip. Leffingwell had seen one bear track near Flaxman Island.

Collinson Point, Alaska.

Oct. 8. (Wed.) Cloudy all day. Wind NE. Misty sleet in evening.

Cloudy all day. Wind NE. Misty sleet in evening

Skinned birds today. Topographers working on map.

Glaucous Gull - O'Neill shot a young Gull on south side of the bay, about three miles from the house - probably "Barney," the semi-tamed Gull which has been picking up scraps around the house for some time. O'Neill shot a Ptarmigan and the Gull swooped down to pick up the bird, when he shot it.

*131. ♀ Larus hyperboreus. Juv.

Willow Ptarmigan - O'Neill went over to south side of bay and shot four Ptarmigan.

Insert Location

Collinson Point, Alaska.

Oct. 9. (Thurs.). Cloudy. Wind NE.

Cloudy all day. Wind NE, about 24 miles per hour: Snow drifting pretty thickly along the ground. Skinned birds most of the day.

Snow drifting

Spermophile — Saw one in hole near house. He chattered quite noisily, and tracks showed that he had been several feet from the burrow. Set trap in hole and returned some time later to find that to find that the trap had been pushed to one side, but unsprung.

Wind NE6E 24 mi. at 12 M.

Wind gauge was set up 3 feet above gable of house about noon. Wind blowing 24 miles per hour at noon. Light, wet snow. Wind blowing 34 miles per hour at 8:00 p.m.

NE6E 34 mi at 8:00 p. m.

Max. Min. +27°F. +14°

Observations

	Wind	Max	Min
8 a.m.	E6S 30 mi.	?	+11.5
2 p.m.	E to S 25.5	+16	+12.°
8 p.m.	E.6S 17.5	+16	+13°

Collinson Point, Alaska.

Oct. 10. (Fri.) Cloudy all day. Snow p.m. Strong SE wind. Skinned birds most of the day.

Cloudy all day. Snow p.m. Strong SE wind

Blue and Crawford returned from hunting trip in evening. They had been to foothills on Selawik River and killed about one hundred Willow Ptarmigan, and brought back 69. Weighed twenty-five — 38½ lbs.

Wind
Ebs. 30
Ebs. 25.5
E 6S 17.5

Snowy Owls — two were seen.

Spermophiles — none were seen after the first day out.

Max. Min.
? +11.5
+16° +12°
+16° +13°

Skinned one of Ptarmigan brought back by Blue and Crawford.

#139 ♂ Lagopus L. lagopus. Pure white, except for two or three small dusky feathers on neck.

Weather conditions constant all morning. Heavy snow at 2:00 p.m. Wind and snow abating at 8:00 p.m.

Collinson Point, Alaska

Oct. 11. (Sat.) Cloudy a.m. Strong NE wind all day. Snow drifting. Topographical staff sounding the bay to complete map.

Cloudy a.m. Strong NE wind all day. Snow drifting

Light snow at 8:00 a.m. and 2:00 p.m. Heavy and thick snow between 3:00 and 4:30 p.m. Light snow and clearing at 8:00 p.m.

Wind: E b N.

E b N. 12.6 mi.
E b N. 19.
E b N. 12.

Max.	Min
+14° F.	+12° F.
+15°	+12°
+17°	+6°

Collinson Point, Alaska.

Oct. 12 (Sun.) Clear.
Calm in morning
Light NW wind.

Clear, bright day. Calm in early morning. Light NW wind during day.

Willow Ptarmigan — flock of about fifteen near house before breakfast. O'Neill went after them without success. Fred went up on the hills later and killed three.

Wolf — Thompson went out to pile wood for his winter camp. A White wolf hung around where he was working all day, but he had only a shotgun with him.

Visitors — Mr. W. E. Hudson, moving picture man for Seattle Post-Intelligencer with Schr. "Polar Bear," in company with Ivan Klebnakoff. (Russian) arrived about 2.20 p.m. pulling hand sled.

Wind	Max.	Min.
SW 0.	+10.3	-8.5
SW b W. 11.2	-0.5	-8.
W. 0	+3.5	-0.5

(Photo #7 — Hudson's handsled. 8-1/50-1.35 2.30 pm

News: Aug. 16th. Karluk seen in pack off Pole Island — saw two masts and was certain of identity.

Aug. 25th. — pack opened and let "N. Star" and "Anna Olga" in from eastward

Collinson Point. Alaska.

Oct. 12 (Sun.).

"Polar Bear" — at Griffin Point [should be Humphrey Point.

"Belvedere" off Humphrey Point [near head of Sc[illegible] Reef.

"North Star" and "Anna Olga" in lagoon East of D. Pt.

Ice around Polar Bear 42 ft. above water (acc. W. E. Hudson) at one time. Ice freed and let them out.

"Elorra" sank about 5: 42 am Sept 23rd. Crew went on board "Belvedere."

The almost unanimous opinion of the whalers is that the Karluk is either crushed in the ice, which is unusually heavy this year, or else she has drifted to the westward, and may come in near Point Barrow.

Collinson Point, Alaska.

Oct. 13. (Mon.) Cloudy. Light NW wind.

Cloudy all day. Mr. Hudson made a number of pictures around our quarters — members of party, dog-teams, etc, (moving pictures), also a number of Kodak pictures.

W 6 N. 5 gusty
W 8 steady
W 11 "

Overhauled a lot of the photographic material today and got a number of valuable pointers from Hudson. Decided to start tomorrow and go at least as far as the "Belvedere" to see if any news had been heard from the "Karluk." Hudson reports that men from "Belvedere" and the "Elvira" had gone to Herschel Island, and are expected back at any time. If conditions make it necessary or advisable we shall go on to Herschel Island.

Max	Min.
+9°	+3
+10.5	+7.°
+8	+7.

Water-sky pronounced towards the north. Occasional snow flurries.

Collinson Point, Alaska.

Oct. 14. (Tues). Clear. Light SE wind. Slightly cloudy in afternoon

Clear. Light SE wind. Slightly cloudy in afternoon

Started for the Eastward with two sleds — ten dogs driven by P. Bernard, and seven dogs driven by Olsen ("Jack", Bob, Snowball, Tip, Kelly, Trouser, and Red) Party, from our house consisted of Chipman, O'Neill, Bernard, Olsen and myself, with Hudson and Klebnikoff going home.

Wind: SE 3 SE 5 SSE 8

On trail 8:30 a.m. Followed sandspit east to bluff, then over sea ice. Passed cross beacon at "Billy's Point" (ca. 8 mi E. of house) at 10:30 a.m. Passed inside lagoon here. Crossed flats at mouth of Saliroschit. River 11:30 a.m. Passed Ned Arey's old house

Max. Min. +9. +1.5 +12.4 +1.0 +18 +12 Snow began 5:30 p.m.

(sod igloo) at mouth of Okpilak River at 1:30 p.m. (Two whaleboats and sack cache on sandspit about 3/4 mile north of house; small stern-boat on rack in middle of river. Camped 3:00 p.m. on south side of Barter Island. Traveled about thirty miles.

Willow Ptarmigan — flock of about twenty seen ca. 5 mi. E. of house. Two were shot.

Arctic Fox — many tracks seen

Barter Island, Alaska.

Oct. 15. (Wed.). Foggy. Snow. Wind SW. all day. Wind W 16 Sky W 18 " W 14 "

Max. Min. +24. +17.5 +20.9 +18.5 +19.7 +14.

Snow drifting during day at C. Pt. Clearing in Evening.

Foggy. Two or three inches of snow during the night and light snow falling during most of the day. Wind fairly strong SW all day.

On trail 7:45 a.m. Crossed a little low tundra then S. and E. around point (Whaleboat cache). Crossed two narrow sandspits, and followed high land (earth banks 6-12 ft. high) on north side of mainland shore, as we did not want to run into open water or unsafe ice, in the fog, East 7 Barter Island. Passed Manning Point about 2:00 p.m., where coast bends more to Southeastward, and a series of sandspits run off to Eastward. Large quantities of driftwood on spits. Reached schooner "Polar Bear" about 5:30 p.m., frozen in the ice about a quarter of a mile outside of the entrance to large lagoon a little East of Humphrey Point (Ex Haggerty's beacon)

Humphrey Point, Arctic Coast, Alaska.

Oct. 15. (Wed.). The "Polar Bear" is apparently in safe condition as there is no heavy ice around her. There is a ridge or large shoal some distance outside of her, which seems to prevent the larger ice-masses from coming in.

All the members of the party are living on shore — the white men in a house built with driftwood and a small amount of lumber covered with double canvas, and the Eskimos of crew (two from Nome and four from East Cape, Siberia) in another house.

Capt. Louis L. Lane of Nome, captain.
Mr. Hullin E. Mott, mate. Wm. Mogg.
two engineers —
Cook — Ole Olsen. Ivan Klebnikoff.
Hunting party, mostly Harvard men from Boston, who had chartered the schooner for a trip starting from Seattle in April, cruising along the east coast of Siberia, Aleutian Islands, etc. They had intended to hunt around

Oct. 15 (Wed.) Wrangell Island last summer, but had changed their plans and gone east, intending to come out again, but had been caught by the ice and compelled to go into winter quarters. Members of party Mr. Mixter, Hurd, Eben Sumner Draper, Dunn Lockwood Jos. Silsbee, W. Sprague Brooks, Jos. Dixon,

Messrs. W.S Brooks and J. Dixon are collecting natural history specimens for the Agassiz Museum of Cambridge and the California University Museum of Berkeley, and have a number of birds and small mammals.

Mice - scarce here. They took a number of specimens at Collision Point.

Lemming - white, large. One specimen

Lemming Mice - several specimens.

Brown Bear - one young specimen not more than two years old was killed on top of old ice near beach.

Color very light, dirty buff color, with

Humphrey Point, Alaska

Oct. 15. (Wed.)

distinct narrow dark brown dorsal stripe

Seals — very abundant at edge of floe five or six miles off shore. During the past two or three days about forty were killed. Capt. Lane shooting nineteen. They found the Seals in a bunch, thrusting their heads up through the thin, young ice near the edge of the floe.

Mountain Sheep (Ovis dalli) Two were killed near Cape Lisburne in July. They were seen on hills only a short distance back — visible from the beach.

Quite a number of Mountain Sheep were killed near the coast of Kamchatka on rocky hills very near the coast. They were quite easy to approach and one or two shot on rocks overhanging coast, nearly fell into the sea.

Humphrey Point, Alaska.

Oct. 15. (Wed.) Warbler (Magnolia). – One found dead by Capt. Lane and skinned by ~~Dixon~~.

[Dendroica magnolia Baird. A female: Magnolia Warbler was found dead on the sandspit at Humphrey Point, Alaska, October 1, 1913. (Bull. Mus. Comp. Zool. LIX, No. 5 – 402.]

Humphrey Point, Alaska.

Oct. 16 (Thurs). Cloudy all day. Light NE wind. Went to "Belvedere", which is frozen in the ice about eight miles from the "Polar Bear", about 1½ miles off shore, near the west end of Icy Reef. Capt. and Mrs. S.F. Cottle received us very hospitably on board of the Belvedere. Fifty-one persons are now on board the Belvedere, including crew of the Shipwrecked "Eloise". A number of local natives, and a number from Herschel Island are also staying around the ships.

Capt. Martin Anderson ("Chechako Martin") of schooner North Star arrived from his place near Demarcation Point today. Anderson came in with an outfit worth about $3000, in 1911, spent two winters near Point Atkinson, East of the Mackenzie, and is said to have cleared about $12,000; sold most of his fur to "Elora", but retained 900 of his best for skins.

Brown Bear — Natives brought in skins and meat of three Brown Bears

Cloudy all day
Light NE wind
Strong SW gale in evening.
Snow drifting in evening

Wind
S 3 var.
S 5 "
W. 30 5'ty.

Max.	Min.
+16.	+5.5
+13.	+5.5
+24.	+5.0

Oct. 16. (Thurs.) Killed in the foothills south of here within the past week. One large and two smaller bears, color dark brown. Capt. Cottle asked the native, Ir-yu-Kuk, who brought the skins in, to bring me the skulls if possible.

Barren Ground Caribou — The natives have been killing a number of Caribou on the mainland a short distance south of here. The people who have been hunting in the foothills are moving nearer to the coast, as most of the Caribou have been killed within one days travel of the ships. A large bull Caribou carcass which was brought in yesterday was the largest Capt. Cottle had ever seen — dressing 240 pounds, without head, skin and viscera.

Salmon Trout — natives have brought in a number from the mountains — all of the brilliant red ♂ or brilliant orange ♀ phase. Capt Cottle gave me four specimens — one over two feet long.

Icy Reef. Arctic Coast, Alaska.

Oct. 17. (Fri.) Cloudy. South wester. Snow drifting badly. Capt. Lane who came up to Belvedere with us yesterday started for Duffy O'Connor's place near Demarcation Point.

Cloudy. Strong SW wind. Snow drifting badly.

Dogs — very scarce this year. Many died at Herschel Island and in Mackenzie delta last winter. Mr. Olaf Swenson, agent of Hibbard Stewart Co. 1210 Western Ave. Seattle, on the Belvedere, and Capt. Theodore Pedersen, of the "Eloria," are preparing to go out across country to Dawson — and have had great difficulty getting enough dogs at about $30.00 apiece. Capt. Lane bought three dogs the other day for $150.00 ($50. apiece).

Found. NW 30. Gale. Slight snow. NW 22 SW 9.

Mr. Swenson was unable to get a leader for his team — and I traded him "Toroser," a rather slow dog from our team for a first-class young native dog.

Max. Min. +21.6 +12.7 +13.5 +4.7 +5.° +1.°

Seal — People from the ships have killed a number of Seals at the lead some miles out. Mr. Hazo Funamoto, cinematograph artist on Belvedere, presented me with an

Snow drifting and packing hard

Oct. 17. (Fri.) embryo Seal, taken from the body of a female seal, killed about Oct. 2nd. (#132).

Northern Varying Hare (Lepus macfarlani). Capt. Anderson says that the natives report rabbits are dying in large numbers in the Mackenzie delta. They were very abundant last winter, 1912-1913.

C.A.E. supplies on "Belvedere". Capt. Cottle thinks that it will be safer to leave goods on board ship. It is some distance from shore and it might be difficult or impossible to load from shore in the spring. The gasoline and coal oil drums have been unloaded on the ice near the ship, and Cottle says that it can be quickly taken on board if ice starts to break up. Putting it on shore we would have to guard it ourselves, while on shipboard Capt. Cottle is responsible for delivery at Herschel Island. He says that he will turn over everything O.K. at Herschel Island with exception of — bbls. of salt beef, which he must use, in part, on account of shipwrecked men

S.S. Belvedere, Icy Reef, Alaska.

Oct. 17. (Fri.) Spent most of day writing letters, to be taken out by Messrs. Dowdon and Pedersen when they start for Dawson tomorrow.

Mailed letter of 13th October, giving summary of proceedings since C.G.S. Alaska left home July 19th, 1913, & synopsis of previous reports:

In re Karluk, that she was last seen in the ice pack off Pole Island on Aug. 16th, so far distant that only the masts were visible. Natives near Flaxman Island reported seeing smoke of the Karluk off shore shortly after that time.

Letter of Oct. 17th. requested following articles shipped via Point Barrow next year.

Denatured Alcohol, 100 Gallons.
Formalin 40% solution, 10 gallons.
Miners picks, ½ doz.
D-handled spades ½ doz.
D-handled shovels ½ doz.
Steel Traps, Newhouse, one gross #1.
" " " " " #2.
Cod-line, 1 doz hanks

Oct. 17 (Fri.)

Marlin rope, ¼ inch, 100 lbs.
2 inch Rope, for rigging, 2 coils.
1 coil Season wire, 60 or 70 lbs.
Stove rivets, ¼ inch, 20 lbs.
Sled bolts 1½ inch, with nuts and washer, 5 lbs
" " 2½ " " " " " 5 lbs
"Blue-nose" Butter, in 5-lb. tins 600 lbs.

In addition to be shipped by Mackenzie River route to Herschel Island.

Entomological & Botanical Equipment, as requested by Johansen.

Formalin. Denatured alcohol 10 gal.
For motor boat, 1 doz. Standard Dry Batt.
3 spark plugs, for 3½ H.P. 2 cyc. 1 cyl.
Ferro motor.
2 Evinrude Motors, for canoe or boat.
Spare parts and 4 sets dry batteries.
1 Chestnut Canoe, 18-ft. wt. 80 lbs.
6 sticks Stop-a-leak.
12 boxes split Copper rivets.

Re Karluk, no further news, except that she did not reach Herschel Island.

Icy Reef — Humphrey Point, Alaska.

Oct. 18. (Sat.) Clear. Light SW wind.

Clear. Light SW wind.

Wind E 11. 8½ E 4 " W 3 mar.

Max. Min. +4.2 −4.0 +2.0 −2.6 +2.3 −5.5

Parhelia.

Party started for Dawson with three sleds — Swensen and Pedersen, Enoch Moses (Indian, formerly R.N.W.M.P. interpreter at Fort McPherson) with his Eskimo wife (nee' Mary Newport, ex. from Cape Prince of Wales), and "Cockney" a Herschel Island Eskimo who is going with them as far as the mountains to carry surplus goods and provisions, and is to return with his sled. Enoch Moses has been hired as guide and also is to receive one dollar apiece for bringing 360 Fox skins across from the Beloukee to Dawson. Exact route is not yet decided, except that it will be via Rampart House, through either the Herschel Island River or by King Point.

Took three pictures around ship.

#8. Start of dog teams for Dawson. 8-two B.S.

#9 " " " " " "

#10 " " " " " "

Oct. 18. (Sat.). Took about 50 lbs. rice from our stores on "Belvedere"; also opened the gas-lighting plant crate and took out some Welsbach burners. Arranged to have two sacks of sugar left in "Polar Bear" Cache to be hauled home later. Mrs. Cottle presented us with half a sack of peanuts. Bought a small bill of goods from Capt. Cottle

3	Galvanized iron sheets.	$7.50
2	shovels (snow).	2.00
1	#2 Shovel (pointed)	1.00
2	picks & 3 handles	2.75
1	Grindstone	2.50
	Express paid at Nome	3.15
		$18.90

Left ship at 1:15 p.m. and arrived at "Polar Bear" about two hours later. A wide tide crack had formed near edge of reef and the ice moved eastward several feet along the edge of crack. Cracked ice and nearly broke through with sleds crossing young ice in crack.

Humphrey Point, Alaska.

Oct. 19. (Sun.). NE gale. Calm in evening. Wind. SE 41 SE 51 W 26 Max. Min. +13. −9.° +15.1 +12.° +16 +9.°

Strong NE blizzard all day. Snow drifting thickly. Calm in evening. In camp all day. Capt. Lane and three others are intending to go out by way of Dawson in a few days, and the men are busying themselves in getting their gear ready.

Oct. 20. (Mon.). Cloudy. Wind SW. Snow in afternoon. Wind. WNW 10 WNW 9 NW 10. Max. Min. — +8.° +11.° +9.° +11.° +8.5°

Cloudy. Wind SW. Snow in afternoon. Started out on the ice to look for Seals, but about one mile met Nap as'sik and another Siberian Eskimo coming in. They said that they could not get out to the edge of the open water as there was a broad belt of unsafe young ice between the edge of the old floe and the water holes.

Napassik is a very wealthy East Cape Eskimo who came East as a passenger on the "Polar Bear" on a trading venture.

Hauled five large loads of wood for "Polar Bear" house, as they have no dogs.

Oct. 21. (Tues. Cloudy. Wind SW. Wind West in afternoon.

Wind NW 6 NW 5 N 6

Max. Min. +9. +5. +8. +6. +8. +5.

Cloudy. Wind SW in morning, and shifting more to westward in the afternoon. Weather unfavorable for sealing, as wind has not been strong enough to open up the lead. Hauled a few more loads of wood. Capt. Lane returned from Duffy O'Connor's place, bringing some more dogs. He reported that he broke through the young ice on tide crack where we nearly broke in, and he got wet to the waist.

Traded Capt. Lane 1 pair skis, and 4 dog chains. Received brass bow-plates for "Mary Sachs", 7 sealskins with blubber for dog food, 1½ doz. thimbles, cloth, and some other articles.

Polar Bear — Capt. Lane reported that one Polar Bear was recently killed by natives near Demarcation Point. Tracks of other bears were seen.

Caribou numbers of Caribou have been seen near Capt. Anderson's house near Demarc. Pt.

Humphrey Point, Alaska.

Oct. 21. (Tues. Wrote letter to Dept. of the Naval Service, supplementary to letter of Oct. 17.— this to be taken out by Capt. L. L. Lane.

Informed department of Capt. Lane's intention to bring another ship in next year, and his willingness to carry freight for the Expedition. Asked for additional supplies sent via Point Barrow to Herschel Island:

500 lbs. Seedless Raisins, in Cartons
25 " Lime Juice tablets
2 bbls. best New Orleans molasses
200 lbs. Galvanized Sheet iron
100 " White Lead.
50 " Black Paint (mixed)
20 " Red Lead
20 " Green Paint
½ doz. 3-inch flat brushes.
1 doz. small paint brushes.
25 lbs. shingle.

Recommended that Naturalists' Graflex Camera, 4×5, with Graflex focal plane shutter, Zeiss lens, be sent via Mackenzie River

Humphrey Point, Alaska — to Barter Island.

Oct. 22. (Wed.). Cloudy. West wind.

Cloudy. West wind.

Cloudy. Light west wind. Capt. L. L. Lane of the "Polar Bear", Mr. W. E. Hudson (Seattle Post-Intelligencer photographer), Mr. Eben S. Draper and Dunn Lockwood: started for Dawson, going east, intending to follow the trail of Swenson and Pedersen.

We left at 9:00 a.m., taking along about 350 pounds of seal blubber. Reached camp of Pikalo and wife, and two other Nome Eskimos who had started on a hunting trip from the schooner two days before. Weather had been too foggy for them to hunt on the tundra. Arrived 11:45 a.m. (near Manning Point) and stopped for lunch.

Passed east end of Barter Island about 3:30 p.m., and as ice seemed rather unsafe close to the end of the island, hauled in towards mainland shore. Camped at 5:00 p.m. on sandspit (two beacons). Very cold evening. No game seen. Travel rather heavy — soft snow.

Humid	
WNW 14	
NW 13	
WNW 12	
Max.	Min.
+5.8	−0.2
0.8	−2.0
−1.5	−2.8

Barter Island — Okpilak River, Alaska.

Oct. 23. (Thurs.) Clear morning. Wind SW. Very cold. In p.m. NW blizzard Wind W 23 Cloudy Snow W 30 Blizz. W 28. Cloudy

Max. Min.
+5.5 -12.5
+11.2 +5.5
+10.0 +2.6

Clear morning. Wind Southwesterly. Very cold. On trail 7:30 a.m. Passed our old camp of Oct. 17th (near cached whaleboat) at 9:00 a.m., at narrow passage between Barter Island and the mainland. Wind lowered suddenly about 10:00 a.m. and almost immediately hauled to NW. In a short time it was blowing a howling blizzard, so thick that we could seldom see more than a hundred yards ahead. Kept along inner edge of sandspits and struck rack and two cached whaleboats opposite mouth of Okpilak river about 11:00 a.m. Headed straight south into mouth of the river and then worked west a short distance along the bank until we found Ned Arey's old house. Spent about two hours digging out the house which was solidly packed full of snow.

Ai-a'-kuk, his wife Tuktamanna and two stepsons arrived in evening and went out to cache on sandspit.

Oct. 24. (Fri.). Clear all day. Bright sunshine. Light SW wind.

Clear all day. Bright sunshine. Light SW wind.

Wind
E 3 st'y.
S 5 var.
S 7 "

Max. Min.
+4.° -5.°
+4.° -5.²
+2.° -5.°

Clear all day. Bright sunshine. Light SW wind. Loaded sleds and went over to Aiakuk's Camp on the sandspit. He had come down yesterday with a load of skins and meat, from the mountains on Jago River.

Mountain Sheep - Aiakuk and another native named Taglut (the latter is still in the mountains) have killed twenty sheep this fall, and still have considerable meat in the mountains. He says that sheep have been plentiful, but the weather has been foggy most of the time, and it has been difficult to hunt.

Caribou - Aiakuk killed a single bull Caribou in the foothills, some time ago, with .22 rifle bullet.

Bought two saddles of meat from Aiakuk at 10cts. per lb. One saddle & Mt. Sheep weighed 26 lbs; saddle & Caribou weighed 27 lb. Aiakuk gave Capt. Bernard one lamb saddle, wt. 7 lb. 3 oz.

Okpilak River — Collinson Point.

Oct. 24. (Fri.). Left Aikuk's Camp (opposite mouth of Okpilak River) at 8:00 a.m. Passed Capt. Nahmens' house at 11:45 a.m. and stopped for a few minutes — long enough for a big dog-fight between our teams and Mr. Blue's dogs. Reached Collinson Point 1:05 p.m.

White Fox — Andrew Narom caught a White Fox in trap Oct. 16th, and Mr. Johansen shot the fox in the trap.

#133. ♂ Vulpes lagopus innuitus. Oct. 16/14
L. 837. T. 325. H.F. 149 mm.

Spermophile — (Citellus parryi) was seen near the house day before yesterday (Oct. 22nd).

Oct. 25. Wind. S 10 st'y. SE 7 var. W 26 gusty.

Max. +1.2 +15.4 +20.0 Min. −3.3 +1.0 +14.0

Oct. 25. (Sat.). Cloudy. Wind west; strong in evening. Working measuring and cutting wall tent of white Egyptian cloth — Crawford sewing it. Skinned Gray gyrfalcon ♂ jr. shot Sept. 11. Narom caught Spermophile #134.

Collinson Point. Alaska.

Oct. 26. (Sun.) Cloudy. Wind SW. Cloudy. Wind SW. WNW 7 E 5.5 W 18.

Cloudy. Wind very light. Blizzard in evening. Wind rose from 5 to 18 miles per hour. Finished making tent. Marked bunch of clothing.

Max. +22. +22. +21. Min. +19. +19. +18.

Oct. 27. (Mon.) Clear. Wind NW. Clear. Wind NW. Cloudy eve. W. 9.5 SW 3.1 SW 21.

Cloudy evening. Mr. Blue saw one Spermophile. Aiakuk arrived from mouth of Okpilak River about 6:00 p.m. bringing a load of meat.

Max. +21.5 +18. +19.5 Min. +11. +13.5 +11.

Oct. 28. (Tues.) Cloudy. Wind NE. Cloudy. Wind NE.

Working on gear. Ptarmigan — Fred shot two near house. Bought five saddles of Mt. Sheep from Aiakuk.

♂ $30\frac{3}{4}$ + ♂ $23\frac{3}{4}$ + 23 + 19 + $18\frac{1}{2}$ = 115 lbs. @ 10¢ = $11.50

Pd. 45# hard bread $7.50 10# lard $2.00 5 pkg T.B 2.00

Pd. for 53 lbs. bot 24# mut. with 20 yds. white drill @ 15¢. 10 yds. gingham @ 15¢. 250 primers 80¢ = $5.30

E 11 var. E 14 St'y. E 8 var. Max. +20 +13.6 +11 Min. +11 +10. +7.3

Oct. 29. (Wed.) Cloudy. Snow in forenoon. Drifting. Wind West.

Strong W. wind. Wind lowered and shifted to NE about 4:00 p.m. Aiakuk started home in blizzard this a.m. but with fair wind. Working on gear, and in storehouse. Men hauling wood in forenoon.

W 14 NW 13 NE 8.5

Mx. +8. +8.5 +5.° Mn +3. +4. -1.5

Collinson Point, Alaska.

Oct. 30. (Thurs) Cloudy N. E. wind Blizzard in evening

Wind E 23 E 40 E 53

Cloudy morning. Yellow glow in East, but uncertain looking weather. Wind fairly strong NE in morning, gradually increasing. Worse in afternoon. Howling blizzard in evening, wind gusty, averaging 53 miles per hour. Celebrated Canadian Thanksgiving Day.

Max. −1.5 −5.
−1.5 −4.5
0 −2.

Oct. 31. (Fri.) Cloudy. Wind NE, moderated a little

Wind E 33 E 21 E 18

Cloudy. Wind NE, moderated a little since yesterday, but still drifting. Wind moderated a little in afternoon. Light snow falling. Wind stronger again in evening. Fitted out Chas. Thompson with supplies for his winter's trapping. Amounts of supplies and Equipment issued to trappers as entered in the ledger.

Max. Min.
+7. −2.
+8. +6.5
+10. +7.

Collinson Point, Alaska.

Nov. 1. (Sat.)

Blizzard from NE. Snow drifting very thickly. Remained in house all day.

Blizzard from NE.

Wind.	Max.	Min.
E 36 gusty	+10° F.	+9.
E 25 "	+10.8 F.	+9.
E 45 "	+13.	+10.

Nov. 2. (Sun.)

Cloudy. Wind NE. Light snowfall.

Cloudy. Wind NE. Light snowfall.

Capt. Bernard took Chas. Thompson and family over to the place where Thompson is building a house for trapping this winter.

Issued about two months' supplies to Hahmens and Crawford.

Built a snow house shed with timber rafters in front of storehouse to prevent snow from drifting in through crevices around the door.

Wind

SE 7 mi.
E 23 "
E 7 "

Max. Min.

+13. +11.5
+13 +9.6
+10.5 +8.8

Snow drifting past the dog-stable makes a big drift between house and storehouse, while the north wall of storehouse is kept scoured clean. One should gauge the prevailing wind before placing doors to be drifted full with every storm.

Collinson Point. Alaska.

Nov. 3 (Mon.). Cloudy all day. Light snow. Wind NE in morning, but shifted to SW about 9:00 a.m.

Cloudy all day. Light snow. Wind NE in morning. SW after 9 a.m.

Wind E. 8 var. SW 11 " W. 2½ "

Max. Min. +13. +9.6 +13. +9.5 +10.5 +9.2

Fred took Bernard's team and hauled Capt. Hahmens and his winter's trapping outfit to the house which he has built about eight miles east of here.

Olsen started at same time & take J. Crawford and his outfit & the old iglu at mouth of Okpilak River, taking two sleds, one of which Crawford is to use. Mouth of Okpilak (Ned Arey's old house) is about 20 miles from Collinson Point. Instructed Olsen to remain with Crawford two or three days and help him haul and stack some wood, then return home for further orders from Chipman, then to help Hahmens for a day or two with his woodpile. Checked up both trapping parties as closely as possible, charging the men up with all articles taken away.

Collinson Point, Alaska.

Nov. 4. (Tues). Clear a m Calm Slight haze. Light SE breeze in afternoon and cloudy

Wind. — 0 — 0 SE 13 mar.

Max. Min. +11 +4.° +7.8 +4.8 +12.° +7.°

Started on hunting trip into the mountains. O'Neill, Cox, Johansen, Bernard, Blue, Fred and myself. Took two sleds, Bernard's with nine dogs, and Blue with four dogs. Dog food for two weeks — two 5-gal. tins of bones, tallow and meat (ca. 90 lbs.) and two bales of dried salmon (ca 100 lbs); 75 lbs dog rice. Provisions: 1 sack flour, ca 50 lbs. of dough nuts and biscuits baked up with 10 lbs. lard, 20 lbs. rice, ca. 10 lbs cornmeal, coffee, tea, cocoa, ca. 15 lbs sugar, 10 lbs. bacon, 1 kg. cans "Diploma" milk

General course — up first large gully East of house, then SE across tundra. Snow crusted enough to walk on in places. Used snowshoes part of day. Many fox tracks.

Started from house 9:45 a.m. and camped 2:10 p.m. in bottom of second willow creek East of house. High banks on east side of creek with overhanging snow cornices

Willow Ptarmigan — a few seen on creek

S.E. of Collinson Point, Alaska.

Nov 5.
(Wed.)
Clear a.m. (6°).
Light SE wind
+6° at 7:00 a.m.
Blizzard ESE
from 8:00 to 1:00
Wind
E 36 p.m.
E 25 "
E 36 "

Max. Min.
+14. +9.8
+14.2 +8.5
+8.0 +6.0

Clear in early morning. Light SE wind. Wind rapidly increased after 8:00 a.m. until we could hardly see a hundred yards. Started out at 8:20 a.m., worked around the point of bluff on East side of creek and up on high tundra, Course SE, Crossed one lake about a mile long, running about East and west. Several members of party froze cheeks slightly facing the blizzard. Wind lowered about 1:00 p.m. and evening was clear. Camped at 2:30 p.m. on a large flooded glacier creek, probably an Western tributary of the Sadlerochit. Found a small quantity of willow drift on the bars, but not enough for camping comfortably.

Lemming — One was seen running on the deep hard snow on hillside and caught with some difficulty. No holes in sight. Fur rich brown, blackish underneath. 135 ♀ 127-18-19.

Sadlerochit River, Alaska.

Nov. 6. (Thurs.) Clear. Light East wind.

M.T. −1½° +2 at 8ᵒᵒ a.m.

Wind W. 7 NW 23 W 27

Max. Min. +9.7 +4.5 +8.° +4.° +7.° +1.°

Clear at 6.ᵒᵒ a.m. Cloudy from 7:30 a.m. to 10:00 a.m. Light East wind. Bright sunshine after 10:30 a.m. On trail 8:30 a.m. Course about East. About 2 miles east crossed another large branch, with large willows and much willow drift on bars. At about 10:30 reached the higher banks on East side of river (20-25 ft. high). Snow deep and soft in willows near bank, and we worked further out into main channel again, and found icy channel, with less snow. Crust of shell ice thin in many places and stony river bed dry underneath the ice in most places.

Camped at Fishing Place (first rock exposure) at 1:00 p.m.

Willow Ptarmigan — flock of about twenty-five seen shortly after starting out, and some near camp. None killed.

Snowy Owl — two (one rather dark) seen near fishing place.

Sadlerochit River, Alaska.

Nov. 7. (Friday). Cloudy a.m. Clear p.m. Light SE wind. Wind strong in evening.

Cloudy a.m. Clear p.m. Light SE wind. Wind strong in evening.

Everybody hunting Ptarmigan today, but none were killed. Hunted to Southeastward, but could not cross the open water of warm creek. Followed up creek and flushed two Ptarmigan. Creek flows out from side of mountain at contact of black carbonaceous shale with overlying sandstone talus. A large quantity of water comes out at three places less than fifty yards apart. Springs are about one hundred yards from main river, and form a large pool, which descends through a series of riffles and pools for about a mile following a curve parallel with the river for about a mile. About half a mile down from the source the river widens out to uniform width of about forty feet, and an average depth of 8-10 inches, in most places of uniform depth from bank to bank

M.T. -8°

Wind. S 4 - 0. SE 11 var.

Max. Min
+9° +7°
+9° +7°
+9° +4°

Nov. 7. (Fri.)

and a pretty rapid current. Saw a number of small fishes along the banks and a number of larger fish (Arctic Grayling) in the deeper pools. In the afternoon Johansen and I seined the lowest large pool. We caught two Grayling on first draw down stream and two up stream. Two subsequent hauls netted nothing. Total - four Grayling, averaging a foot in length. Several young Salmon trout, from two to four inches long were caught in dip net as they darted out from under the snow banks overhanging edge of creek. A few small crustacea and shells taken. Temp. +40° F. Ca. 7 miles down stream.

Alaska Mink - numerous tracks all along the bank and on stones in shallows, where Mink had been fishing.

Fox - a few tracks seen.

Snowy Owl - one seen on tundra at about 100 yds. distance.

Willow Ptarmigan - numbers seen, but unapproachable

Sadlerochit River, Endicott Mts., Alaska.

Nov. 8 (Sat.). Clear day. Light SE wind.

Clear day. Light SE wind

M.T. −13°. −6° at 4:00 p.m. Calm in evening, and colder.

Wind.	Max.	Min.
E 21	+6.0	−1.5
E 12	−0.5	−3.0
E 13	−0.6	−3.5

M.T. −13°. −6° at 4:00 p.m. Calm eve.

On trail about 8:30 a.m., and moved up river about 8 miles. Hills on sides of river higher and steeper. Rock exposures sandstone overlying shales. O'Neill made two photographic exposures and Cox one, with my Camera.

Max.	Min.
+6.	−1.5
−0.5	−3.0
−0.6	−3.5

(12) #3. Geological Section — sandstone cliff.. Left (west) bank of Sadlerochit River. 8 − 1/100 3.5 12m m. (O'Neill).

(13) #4. do. (O'Neill).

(14) #5. Lunch on gravel bar of Sadlerochit River. 8 − 1/100 3.5. 12:30 p m. (Exposure by J.R.C.).

Camped early today, a large bend of river to west, as Mr. Johansen had stayed behind to investigate the warm creek, and we feared to go further ahead without

Nov. 8. (Sat.) seeing him, as he was liable to get his feet wet and freeze them. He came in about two hours after we had made camp.

Temperature of Warm Creek +55° F. a little below its source. +49° some distance further down. +40° about two miles below its source.

Crossed a low willow-grown bend of river, intersected by deep dry channels. Saw large numbers of Fox tracks (large), and soon a large Fox (apparently a dark Cross Fox) ran out about 50 yards ahead of me, crossed river ahead of the dogs, and ran up 60° mountain slope. Ran over to the sled and as the Fox stopped frequently to look around, I shot him through the body at 300 yards with Gibbs Mannlicher .256 Magnum. The Fox ran slowly ahead, but Mr. Blue turned his leader "Bruce" loose. The dog scrambled up hill and soon finished the Fox a light red specimen #136. ♂ Vulpes alascensis. L. 1680 T 432 H.F. 310.

Sadlerochit River, Alaska

Nov. 9. (Sun). Clear a.m. Slightly cloudy p.m. Cloudy in evening. Wind SW all day. On trail 8:30 a.m. to 3:30 p.m. travelled about 15 miles. Lost about two hours hunting Ptarmigan. River banks with wide benches sloping back to the high hills. Benches with considerable low willow scrub. Two large flocks of Ptarmigan seen. Passed large fork about noon — flat plateau about 40 ft. high, with apex pointing down stream. Branch on left apparently smaller and more rocky and rapid, coming down from Eastward. Kept on up the branch to the right. Found it rather difficult to follow main channel, as snow was rather deep in many places, and so soft that the heavy iron-shod sleds cut through to the rocky bottom. Camped at 3:30 p.m. (about dark) at mouth of large creek coming in from left (west) side of river. Could not get sleds up on level ground, so left

Clear a.m. Slightly Cloudy p.m. M.T. — 15° +2° at 8:00 a.m. +6° at 4:00 p.m. Wind SW all day

Wind — 0 — 0. E 12 mar.

Max. Min. -3.° -11 -10. -13.5 -8. -13.5

Light snow, Cloudless sky at noon.

Nov. 9. (Sun). sleds on the ice, unloaded, and packed tents and sleeping gear up on to a level island point. Wood not very plentiful at this point.

Willow Ptarmigan — Saw two large flocks (25-30 each) on benches near the river early in the day and shot eleven. Saw a large bunch in a patch of willows just before making camp, but they were very wild, and none were killed.

Northern Raven — one seen flying over.

Red Fox — tracks numerous all along the river, and on benches, apparently following the Ptarmigan flocks. Saw remains of one Ptarmigan killed by Fox on the river.

Arctic Fox — one track (very small), probably White Fox, seen on river.

Wolf — a few tracks seen.

Weasel — occasional tracks.

Mice — occasional tracks on tundra.

Sadlerochit River, Endicott Mts. Alaska.

Nov. 10. (Mon.) Cloudy at 3:00 a.m. Light fall of snow during early morning hours. Light SW wind. As we camped late last night and had little wood, we put up only the small wall tent. As experience had shown me that the 8×10 tent is pretty crowded with seven men and a stove, I slept outside laying six snowshoes down in lee of the creek bank, spread a caribouskin on top, and crawled into my sleeping-bag, sleeping very comfortably.

Cloudy at 3:00 a.m.

Cloudy all day.

Wind SW.

MT +6°.

+19° at 8:00 a.m.

On trail 9:30 a.m., and kept on up the river. General course of river SW and West, but sleds had to follow a very crooked course to find a trail on the ice among the numerous stony bars. The trail kept getting more and more rough and rocky, and I decided to camp at 1:00 p.m. the mouth of a large creek with a quantity of willows at its mouth, coming in from west side. Found plenty of dead willows on edge of river, killed by

Wind
SW 9 mi.
SW 9 "
SxE 6 "

Max.	Min
+21	-10
+22	+19.5
+22	+16. at

Snow softened somewhat today.

(Wolf and very large Wolverine tracks seen on River)

Nov. 10, (1902.) Mountain Sheep- old track seen on beach hill. being scraped by ice in the spring, and considerable dead wood among the standing willows.

Set two #3 traps at old Camp site, and went down River and set three more after dark.

Willow Ptarmigan- two flocks seen and twelve birds shot

Raven- one seen flying over Camp.

Red Fox — Mr. Cox and Fred went across bend to shoot Ptarmigan, and saw a Red Fox at base of hill about 100 yds. from them. Fred remained watching the Fox while Mr. Cox went back ca. ¼ mi. for his rifle. The Fox did not move, until he fired, when the Fox ran up a little gully. A couple of miles further up, I was some distance ahead of sled, when a Red Fox ran up hillside and sat looking at me not more than 50 yds. away. When the others had arrived with guns the Fox had gone on ahead. He was seen later on river, not 200 yds. from sleds, evidently following out of curiosity.

Sadlerochit River, Endicott Mts., Alaska.

Nov. 11. (Tues.) Clear all day. light SW wind.

Clear all day light SW wind

Sun shining on mountain tops from about 10:00 a.m. until 2:00 p.m. Clear in afternoon, but sky became hazy about 9:00 p.m.

Cox, Blue, and I hunted for Mt. Sheep all day, the others hunted Ptarmigan.

M.T. 0° +2° at 8:00 a.m.

Willow Ptarmigan — Fred killed ten, Johansen 6, and O'Neill two.

Red Fox — Saw and shot at one at a distance of about 200 yards, about half a mile above camp, but missed.

Wind SE 9 var. SE 12° SE 10°

Tracks fairly common even on high mountains.

Weasel — a few tracks seen.

Mice — a few tracks seen.

Max. Min +18.2 +11.° +13. +10.8 +12.5 +5.

Mountain Sheep (Ovis dalli). Followed up creek about a mile and a half through some narrow rock gorges, then crossed a broad grassy bench at a large bend of the River. Saw two bunches of old dung, but as there was no snow underneath, they were probably dropped during the summer. Mr. Cox and I, hunting together, soon came

Clear all day.

Nov. 11. (Tues.)

across the tracks of a single large Sheep, moving slowly along following the curve of the bench, about 100 ft. above creek level. Occasionally he would stop to paw away a patch and crop "Iceland moss", white "Reindeer moss", grass, and once some large, broad serrated leaves of —

Cautiously moving ahead we, in about half an hour saw a large Ram on top of a rocky ridge above us, 500-600 yds. away. He moved ahead a few paces, started to Graze a little, but was evidently ill at ease, and soon started to run, down along a lower saddle-shaped ridge, to cross to another ridge to the left of us. As he disappeared, we worked up to top of next ridge, but did not see the Ram again. Following up his tracks we saw that he had made a pretty steep ascent to highest part of the next ridge towards Camp, and came suddenly upon Mr. Blee at about 30 yards. The Ram immediately wheeled to the left, straight down the 60° to 75°

Sadlerochit River, Endicott Mts, Alaska

Nov. 11. (Tues.)

talus slopes, zigzagged down the steep sides of the creek gorge, making a long jump to snow bank in creek bed and then up straight across a shoulder of mountain to southwestward. I crossed to top of a high peak on west side of river but saw no more signs of the sheep. Took two hours hard climbing to ascend mountain and one-half hour to descend to creek bed. Little vegetation on higher peak and snow drifted very hard. Lower slopes well grassed. Saw no more sheep tracks or signs and am inclined to think we have only a chance wandering old ram in this vicinity. Bearings from top of mountain - the creek we have camped on flows about NE true from point about 2 miles above camp. - From here it appears to run for several miles from about due south. A small branch comes in from west at foot of this mountain (Mt. has 45° slope to NE, with rough talus slope, and several

Sadlerochit River, Endicott Mts, Alaska.

Nov. 11. (Tues.) vertical black and reddish appearing sandstone (?) cliffs near top on south side

Nov. 12. (Wed. Cloudy. M.T. -6. +15° at 8.30 a.m. +10° at 2 p.m. Wind SW 11 hr. SW 33 " SW 48 " Max. Min. +9.2 -0.5 +12.0 +9.0 +14.0 +10.5

Cloudy and foggy in morning — too foggy for sheep hunting. Calm a.m. light snow falling most of day Strong Southwesterly wind in evening. Hauled about five miles up creek near whose mouth we are camped. Narrow, rocky creek, cutting through black shaly rock (numbers of brachiopods and pleciopods collected. Large flock of Ptarmigan seen: very wild. They kept flying on up creek; shot one. Course of creek nearly straight E by North. No Ptarmigan shot down the river

Nov. 13.	Wind.	Max.	Min.
	SW 15	14.8	+7.0
	SW 11	+8.0	+7.0
	SW 12	+8.8	-0.7

Nov. 13. (Thurs.) Clear. Light SW wind M.T. 0° +1° at 8 a.m. -15° at 7 p.m.

Started down river today, as provisions are getting short. Strong wind yesterday had swept ice clean and we made about 30 miles (8:30 & 2:30 p.m.) — passing one old Camp and reaching our Camp of Nov. 8. One flock of ca. 75 and another of ca. 35 Ptarmigan seen — nine shot.

Sadlerochit River. Alaska.

Nov. 14. (Fri.) Cloudy in morning. Light fall of snow. Calm.

Sleds started at 8:30 a.m. to follow the river down about eight miles, to the Warm Creek fishing place. Crossed the willow-grown bends myself to try and get some Ptarmigan. Got into a flock, long range, and killed one straggler which remained after the others flew. They alighted in another thicket at the foot of the bluffs and I killed three more. The others then flew up on top of the hill and I followed. The Ptarmigan were much scattered on the hillside, picking up small buds which projected above the snow, which was in most places only about six inches deep with a slight crust. They were very wild and I did not succeed in getting any more. Crossed the hills to a creek, very narrow and tortuous, with a thick growth of small willows all along its course. Followed it down

Cloudy in morning. Light fall of snow. Calm. Wind strong NW in evening

M.T. −24° −13° at 8:00 a.m.

Wind.
SW. 9 mar.
SW. 9 "
SW 18 "

Max. Min.
+2.7 −1.0
+2.7 +1.0
+2.0 −1.0

Nov. 14. to its mouth at upper end of black rocky cliffs on right bank of river a short distance (ca. 1 mile) above the head of the Warm Creek. Flushed a flock of about a dozen Ptarmigan, which flew only a short distance down the creek. Followed them up, and when I was about forty yards from the place where the flock had alighted, a Snowy Owl came soaring over me. He had apparently not seen me, while watching the Ptarmigan, and came within thirty yards and I dropped him.

#137. ♂ Nyctea nyctea. Color nearly pure white with only a few dusky spots on back, wings and tail. It was very fat, on back, breast and belly; good eating, but tough.

Glaucous Gull — Mr. Chipman saw a young Gull near the winter quarters at Collinson Point — said it looked like the one which was here earlier in the fall.

Sadlerochit River, Endicott Mts. Alaska.

Nov. 15 (Sat.) Cloudy a.m. Strong NW wind. Snow drifting thickly. Rather cold to face wind going down the river so we decided to wait for a while until the wind should go down a bit. About 22 Grayling seined last night. The Grayling net, which had been set in the warm creek all night, was taken up but no fish were found. Wind lowered towards noon and we started down river about 12:00 m. Ice smooth and glare below the place where warm creek had flooded.

Cloudy a.m. Strong N. West wind

M.T. −13
−18° at 9:00 a.m.
−12° at 11:00 a.m.

P.M. wind W. by N.

Wind:
SW 33
SW 30
SW 20.

Wind suddenly increased and blew a blinding storm of snow along the ground. Dogs and men had great difficulty in getting a foothold on the smooth ice, and sleds were frequently stalled. Decided to camp after going down stream about five miles. Camped in thick bunch of 3—4 ft. willows, using only one tent with snow wall to windward. Wind lowered in evening and sky cleared.

Max. Min.
0 −13.
−13. −18.5
−17.5 −17.5

Saw one bunch of Ptarmigan near old camp.

Sadlerochit River — Collinson Point.

Nov. 16. (Sun.) Clear day. Light SE wind.

Clear day. Light SE wind. M.T. −30° −14° at 7 a.m.

Wind E 7 var. — 0 — — 0 —

Max. Min. −15 −24 −3 −17 −4.5 −11.

Part of sun visible for 10 minutes at noon.

M.T. −30° −14° at 7:00 a.m. −11° at 8:00 p.m. On trail 9:30 a.m. Followed River (Sadlerochit) until 12:30 p.m., course a little west of north, finding channels of glare ice practically all the way, due to flooding, and made about 15 miles on the river (at least 5 miles per hour). Water oozing up in two or three places along sides of river. River bed about ½ mile wide, with numerous crooked channels, separated by stony bars and islands. Numerous patches of small willows on islands and fringing banks, and large quantities of larger pieces of willow roots, etc. from the mountains where the willows grow larger.

No animal life seen today — a few Ptarmigan tracks and Fox tracks.

Sadlerochit River – Collinson Point.

Nov. 16. (Sun.)

At 12:30 started north and NbW across the tundra, as river bent a little to eastward. Travelled about 12 miles north across rolling tundra before we struck the coast at big lagoon (near Cross beach) about ten miles East of Collinson Point at 4:15 p.m. Reached Capt. Kehmeen's cabin about 5:30 p.m. and had a light lunch and coffee. Cut straight across the bay to winter quarters, reaching home about 8:00 p.m.

Kehmeen's house is in a gully's mouth, and is deeply buried in the snow, so that he intends to build a new house up on the hill. He had caught no Foxes thus far.

Chas. Thompson has built a cabin about 8 miles west of the ship and has caught three Foxes.

Andrew Norom reports seeing a Black (?) or Cross Fox on the coast near the ship.

No visitors have passed since our departure

Collinson Point, Alaska.

Nov. 17 (Mon)

Clear all day. Calm.

Clear all day
Calm

Arctic Fox— A. Haroun caught a female White Fox in trap not far from the house. The end of lower jaw had been lost and the bones fused together again (about one inch shorter than a normal jaw.) Teeth much broken and worn. Fur white and in good condition. Preserved skull for specimen #138. Lex Andrew kept the skin as he has been doing quite a bit of voluntary trapping for me on his own time, outside of his regular work as Cook.

Wind
E 12 mar.
E. 2.5 "
E 6.0 "

Willow Ptarmigan— Mr. Clifton saw a flock near the coast a few days ago.

Max. Min.
-4.° -11.
-1.5 -6.5
-6.5 -8.°

Arctic Fox— Olsen killed an Arctic Fox which had come into the dog house and crept behind the pot of dogfood cooking on the stove. [Should be entered under date of Nov. 21st.]

Clouds moving W. to E.

Collinson Point, Alaska.

Nov. 18. (Tues). Clear a.m. Light SW wind Strong west wind in evening.

Clear forenoon light S W wind Wind increasing towards evening, and drifting pretty thickly along the ground after 6.00 p.m., although the stars were plainly visible overhead.

Willow Ptarmigan – Olsen went south on the hills for several miles and saw two Ptarmigan but they were very wild.

Prepared skins of Alaska Red Fox and Lemming.

Wind
W 0 –
W. 15.5 mls
W. 8.5 "
Overcast

Max. Min.
-6.° -10.°
-2.° -6.°
+3.° -1.°

Collinson Point, Alaska.

Nov. 19. (Wed.)

Strong West winds.

Snow drifting

Cloudy. Strong wind blowing all night from West. Snow drifting badly. Overcast at 8:00 a.m., clearing at 2:00 p.m., clear at 8:00 p.m.

A blizzard in morning. Snow stopped at 2:00 p.m., but still drifting strongly. Wind lowered about 3:30 p.m.

Wind

W 45.°

W 45.°

W 4.0

Max.	Min.
+4.°	+1.°
+2.°	-4.°
-4.°	-8.°

Collinson Point, Alaska.

Nov. 20 (Thurs.). Clear. Light N.E. wind. Cold.

Clear morning. Light N.E. wind. Cold. Clear at noon, and bright orange glow in south at noon, but sun did not come above the mountain horizon. Mr. Chipman says that the sun was last seen here, for a few minutes, on Sunday, November 16th.

Wind.
E 21
E 24
E 17.

Wind came up with daylight. Sky clouding about 2:00 p.m. Slightly hazy in evening.

Max. Min.
-8° -18°
-13° -16°
-12° -13°

Collinson Point, Alaska.

Nov. 21. (Fri.). Clear. Light NE. wind

Clear. Light N-Easterly wind. Capt. Bernard has been working on Schr. "Mary Sachs" for two or three days, chopping a trench in the ice all around the schooner, intending to chop her entirely free, and left her so as to work on the bottom.

Wind
E 6 S 1
" 0
" 8.

Arctic Fox — a white Fox was seen near the house in the morning. Several men gave chase and scared the Fox away.

Max. Min.
-6 -12
-5.5 -9
-6 -12.

Several people were up on the tundra for some distance but saw no signs of game.

In the afternoon, Olsen killed an Arctic Fox with a club. It had come into the dog house entrance and crept behind the pot of dog food cooking on the stove. The dogs were all tied.

Collinson Point, Alaska.

Nov. 22. (Sat.) Slightly cloudy. Light NE wind

Slightly cloudy. Light NE wind

Fahmens came over from his place having chased a flock of Ptarmigan for some distance. Says that there is a lead of about 3/4 mile of open water about a mile and one half from land. He has caught no Foxes but they have been around his traps.

Thompson also walked over from his place. He has caught no more Fox

Ai a Kuk and wife Tuklumanna came along from the eastward. They had camped about ten miles to the eastward and caught two Foxes.

Wind
E by S 17
" 16
" 15

Max. Min.
-4. -12
-6. -8
-6. -10.

Collinson Point, Alaska.

Nov. 23. (Sun.) Cloudy. Light NE wind.

Cloudy. Light NE wind.

Wind. NE6E 7 ESE 2 E 18

Max. Min. -7. -10.4 -7. -9.° -3.2 -8.°

Wind stronger in evening and snow drifting a little. Bernard and I took Thompson home with nine dog-team. Made distance back in one hour even. — smooth hard snow and dogs running hard.

Brought back four new pairs of long deer-leg mittens, one pair skin socks and a pair of boots which Mrs. Thompson had repaired (mitts and socks first made), since last Sunday.

No animal life seen.

Dark water sky some distance to the northward.

Collinson Point, Alaska.

Nov. 24. (Mon.) Cloudy. Light NE wind.

Cloudy. Light NE wind

Preparing to send sled over to the "Polar Bear" at Humphrey Point, either to get some Seals by shooting, or to bring back a sled load of blubber, of which the schooner has a surplus.

Arctic Fox - a white Fox, apparently mad or crazy, went into the igloo where the natives are staying and attacked the woman Tuklumanna, biting her boots. The Fox escaped.

Wind.
E 22 strong
E 6 "
ESE 3 var.

Max. Min
-3. -8.
-5. -11.6
-10. -13.°

Bought two small saddles of Mr. Sheep from Aiakuk 14½ lbs. and 15½ lbs. Total 30 lbs. @ 15¢ per lb. Pd. two enamel bowls @ 50¢ each, 1 pr. gloves $1.00 and 1 8-inch Wilson butcher knife $1.00.

Aiakuk is very well supplied with white men's goods. He had 200 White Fox skins last summer and traded them to Capt. Pedersen of "Elvira", receiving 100 sacks of flour, and other things in proportion.

Collinson Point, Alaska

NOV. 25 (Tues.)
Cloudy all day.
Fairly strong West wind in forenoon.
Wind
W 16 var.
W. 36 sty.
W 51 sty.
Max. Min.
-9.5 -13.
-9.5 -14.
-8.0 -14.5

Cloudy all day. Fairly strong West wind in forenoon. Wind started to increase rather suddenly about 2:00 p.m. and snow began to drift thickly along the ground. 36 miles per hour at 2:00 p.m., and 51 miles per hour in evening.

Two sleds started at 9:00 a.m. to go to Humphrey Point, Capt. P. Bernard with nine dogs and Engineer D.W. Blue with seven. Chas. Brooke, cook, also accompanied them. They expected to camp at J. Crawford's house (c. 2 miles East).

Aiatuk and his wife Tukkumanna also started west at about the same, intending to trap west of Herschel Island.

Collinson Point, Alaska.

Nov. 26 (Wed.). Blizzard from west all day.

Blizzard from yesterday continued to blow from West all day, without any apparent abatement. Not very cold, but fine snow sifting everywhere into entrance passageway, as fine as flour. For the first time this winter the wind gauge has registered over one thousand miles in twenty-four consecutive hours.

Nobody went outside more than necessary today.

Wind

W 56 gusts
W 40 "
W 44 "

Max.	Min.
-5.5	-9.°
-3.°	-6.°
-3.°	-4.°

	Barometer Reading	Temp.
Oct. 25.	29.50	-11.5°
	29.46	-14.°
	29.42	-8.2
Oct. 26	29.37	-5.5
	29.35	-3.°
	29.31	-3.°
Oct. 27	29.36	-8.°
	29.30	-8.°
	29.32	-6.2
Oct. 28	29.36	-5.6
	29.33	-9.2
	29.25	-12.3

Collinson Point, Alaska.

Nov. 27. (Thurs.) Cleared up a little since yesterday, and wind moderated a very little. 36 miles per hour at 8:00 a.m. Wind West. Wind continued blowing strong all day.

Wind
W 36 gusty
W 36 "
W 18.

Max. Min.
-3.° -9.°
-7.5 -8.5
-6.° -8.°

Summary of Anemometer readings during blizzard.

	Reading of Wind	Miles since last observation	Miles in 24 hrs.	
Oct. 25				
8 a.m.	352	30	142	Snow began drifting at 11:00 a.m.
2 p.m.	465	113	167	
8 p.m.	665	200	343	Drifting heavily
Oct. 26				
8 a.m.	222	557	870	Blizzard
2 p.m.	472	250	1007	"
8 p.m.	717	245	1052	"
Oct. 27.				
8 a.m.	114	397	892	"
2 p.m.	296	182	824	"
8 p.m.	432	136	715	Stormy.
Oct. 28				
8 a.m.	600	168	486	Moderating
2 p.m.	604	4	308	Clearing.
8 p.m.	623	19	91	Wind shifting E.E. to S.

Collinson Point Alaska.

NOV. 28 (Fri.) Calm a. m. Light E. wind p. m.

Calm all forenoon. Very light breeze from east started up mid afternoon increasing a little in the evening. Aurora bright.

Wind
NW 6 sly
SE 3 var.
E 9 sty.

Max.	Min.
-5.°	-6.°
-5.°	-9.°
-9.°	-13.

Collinson Point, Alaska

Nov. 29. (Sat.) Cloudy morning light Easterly wind

Arctic Fox— Olsen was out with the dogs and found a Fox in one of Thompson's traps. It was caught by one leg and had nearly worked free, so he killed it

Wind.
SE 14 stg.
E 6 S. 14 "
E 12 var

Max.	Min.
-8.°	-15°
-6.°	-11.°
-5.°	-6.5

Collinson Point, Alaska.

Nov. 30. (Sun.). Cloudy. Light Easterly wind

Cloudy.
Light
East bound.

Wind.
E 16 hly
E 14 "
E 13 "

Max.	Min.
-6.°	-8.°
-5.°	-7.°
-6.5	-7.5

Collinson Point, Alaska.

Dec. 1. (Mon.) Cloudy. Light East wind in forenoon Stronger in afternoon Snow drifting. Olsen went over to Thompson's house with some articles, boots, &c. for repairs. He left the sled for a minute, several miles from home, and the dogs and sled came home alone, jamming the sled into the door of the dog-house. Olsen followed an hour or more later. Capt. Nahnenn walked over from his house, and shortly after his arrival, wind rose and he stayed over night

Cloudy. Light East wind

Wind:
E 13 sty
E 13 "
E 30 var.

Max. Min.
-6.5 -10.5
-9.7 -14.5
+1.° -14.°

Collinson Point, Alaska.

Dec. 2
(Tues)
Cloudy.
Strong East
Wind
E 30 city
E 24 mi.
E 30 "

Max. Min.
+3.° +1.°
+3.° -1.°
-0.5 -4.°

Cloudy. Strong East wind.
Snow drifting slightly.
Overcast in evening.

Collinson Point, Alaska.

Dec. 3. (Wed.)
Light E. wind, shifting to NE. Calm at noon. Light SW wind in evening

E 8 var.
NE 5 var.
W by S 6.5 sty

Max.	Min.
-3.5	-7.5
-6.8	-12.7
-12.°	-18.°

Very light Easterly wind shifting to N.E. in morning. Calm at midday. Light South westerly wind in evening.

Capt. Bernard and Mr. Blue arrived from Polar Bear about 3:00 p.m. bringing with them Mr. Minter and Mr. Silsbee from the schooner. They left here Nov. 25th 9:30 a.m., passed Nahmens' at 10:00 a.m. Crawfords' at 1:40 a.m. Nov. 26th stopped. Nov. 27th, left 9:10 a.m. Camped with natives 4:10 p.m. Nov. 28th started 8:30 a.m. and reached "Polar Bear" at 11:00 a.m. Return trip, Dec. 1st, left 10:10 a.m. Camped Ole Anderson's Camp (2 hrs. E. of our old camp 2:30 p.m. Dec. 2nd, left 9:10 a.m. and reached Crawfords' 2:15 p.m. Dec. 3rd, left 9:05 a.m. and reached home 3:15 p.m. (stopping one hour at Nahmens'.

Polar Bear killed at schooner Nov. 27th. He came up to their rack and ate part of a Kayak cover.

Collinson Point, Alaska.

Dec. 3rd (Wed.)

Ivory Gull - one was caught in trap set on the ice and brought in by the natives Nov. 24th; Caught about Nov. 25th at Humphrey Point. Color pure white, feet black. Measurements: L. ca. 16 in. W. 12 7/8 T. 5 1/4 B. 1 7/16 Ts: Bill yellow, feet black. ~~Eyes, plumage black.~~

Caribou = The natives (Pikuis and others) who left the Polar Bear on a hunting trip Oct. 20th. returned there some time afterwards, having killed four Caribou and one Mountain Sheep. Few if any Caribou have been killed by the other natives

Seal - No Seal have been killed by "Polar Bear" since we left, but the natives at the Belvedere have been killing a few. Bernard brought back about lbs. of blubber.

Mr. Mott sent me a letter stating that the R.N.W.M.P. mail would start from Herschel Island

Collinson Point, Alaska.

Dec. 3. (Wed.) to Dawson about January 1st, and that we sled would go down to Herschel Island from Humphrey Point about Dec 20th

Collinson Point, Alaska.

Dec. 4 (Thurs.) Clear. Light SW wind.

Clear: Light SW wind.

Wind W10 sty W8 " W10 "

Max. Min. -14° -23 -20° -23° -21. -26°

Clear. Light SW wind. At house all day. Olsen went over to Thompson's with sled. Polar Bear — Thompson reported that a Polar Bear had been heard walking and snuffing around their house last night. Thompson has caught one white fox. Arctic Fox — Fred (Eskimo) caught a White Fox in trap set at edge of bluff. Fur white and good and long. Have made arrangements with him, as with other members of the crew, that if he will set out a few traps and tend to them as he has time from his other work, he may have half of the Foxes he catches. Theoretically, all animals caught by members of the Expedition are for scientific specimens, but as the crew have no particular interest in it outside of their routine work, nothing at all is apt to be caught if they are sent out to set traps, without a certain personal incentive to industry. The same rule applies

Collinson Point, Alaska.

Dec. 4. (Thurs.)

to white men the same as with natives. If hired outright to trap, they usually attend to traps in a perfunctory manner, and welcome any pretext of weather to stay indoors, and in this sort of work, half the catch of an enterprising man is much better than the whole catch of a man who takes things easy.

Dec. 5. (Fri.)
Cloudy.
light westerly wind.
W 19 m.
W 8 "
- 0

Cloudy all day. light westerly wind. A few snowflakes falling. Olsen was out to End of sandspit and thought he saw a Polar Bear moving out on the ice. He came back for a rifle and went out again, and it was too dark for him to see any tracks.

Max.	Min.
-18.1	-27.0
-14.0	-18.0
-13.5	-16.5

Collinson Point, Alaska.

Dec. 6. (Sat.). Cloudy. Light E. wind

Cloudy. Mountains visible. Light Easterly wind.

Arctic Fox. Fred caught a Fox in trap today #140. ♀ 917-334-145. Wt. 7lbs 9oz. #140. Vulpes lagopus innuitus. ♀ 917-334-14. Weight 7lbs. 7oz. (Specimen not fat; rather poor flesh.

Wind:
E 11 var.
NE 13 "
NE 16 "

Mrs. Thompson and wife came over from their house. They have caught six Foxes up to date. The last Fox caught had only three legs, and had also been shot long before.

Max. Min.
-11.° -15.°
-8.° -11.5
-8.° -9.3

Dec. 7. (Sun.) Cloudy. Strong East wind.

Cloudy. Strong East wind and snow drifting slightly.

E 17 var
E 28 "
E 12 "

Max.	Min.
-5.5	-10
-6.	-7.
-6.	-7

Dec. 8. (Mon.) Cloudy. Light west wind in morning, increasing towards night.

Cloudy. Light west wind in morning, increasing towards night. Capt. Bernard and Fred (Eskimo) started in the forenoon with one sled and eight dogs for a short trip hunting, intending to go up one of the rivers to the westward where the natives say that ptarmigan are more plentiful. Mr. and Mrs. Thorp. son went with them today, as Bernard intends to camp at Thorpson's place tonight. Snowing slightly.

E 11 var
E 11 "
E 18 "

Max.	Min.
-9	-7.
-6.	-9.
-4	-6.

Collinson Point, Alaska.

Dec. 9. (Tues), Cloudy. Strong West wind.

Cloudy all day. Wind fairly strong in morning, but decreasing a little in the evening. Snow drifting somewhat. Moon plainly visible through slight snow haze.

Arctic Fox. — One caught today by Mr. Blue.

Finished reports to Department of the Naval Service today — one brief report of operations since Oct. 21st, one letter making certain requisitions, and another discussing important matters connected with the administration of Expedition business.

Wind:
W 24 strong.
W 24 "
W 20 "

Max.	Min.
-6	-11.
-11	-13
-13	-17.

Collinson Point — Okpilak River.

Dec. 10 (Wed.) Cloudy. Fairly strong west wind. Snow drifting pretty thickly along the ground. — 9° at 8:40 a.m.

Started for "Polar Bear" and "Belvedere", with Mr. J.R. Cox, O. Olsen, Mr. S. Minister, Mr. Geo. Silsbe. Mrs. Blue went with me to Jos. Crawford's house, intending to bring back Chas Brooks.

On trail 9:30 a.m., and reached Crawford's house at 1:10 p.m.

Passed Billy (Nathkuniak) about eight miles west of Halo-halo River. He was putting up a snow house, and intended to return to his base camp on Barter Island, after setting traps.

White Foxes. Crawford caught one today; has five up to date. Three boys here (two of Akkuk's and another boy named Frank) caught five today and six yesterday. Nathkuniak has caught fifteen up to date.

Caribou — Nathkuniak has killed eight this winter (to eastward).

Found W 14 Var. W 17 " W 22 "

Max. Min.
-9 -14
-8 -19
-6 -8

Oksilak River to Humphrey Point

Dec. 11. (Thurs.) Clear. Light NW wind all forenoon. Some snow drifting along the ground. Wind lowered around noon, and shifted to WSW about 4:00 p.m. and very light Southerly about 7:00 p.m.

Clear. Light NW wind in morning. Shifting to WSW and S in evening. -12 at 9:30 a.m. -23 at 9 p.m.

Left Crawford's house (mouth of Oksilak) at 9:00 a.m. Crossed 400-500 yds of tundra at south end of Barter Island about 10:50. Passed Eskimo (Alfred) west of Barter Island, going east with toboggan. Saw Iviyuktuk setting traps south of Barter Island. Passed hummocky point near mouth of Jago River (mouth of Manning Point about 1:00 p.m. Reached Ole Anderson's trapping camp on sandspit at 1:45 (Estimated 23 miles from Oksilak). Had tea there and left at 3:05 p.m. Reached native camp (Hotkahak, Wind: W 32 var. W 25 " W 24 "

Max. Min. -6 -14 -8 -14 -11 -12.

Angoko, Colville River man, with Kiana's wife and one girl) at 4:50 left at 5:20 (about 8 miles from Ole Anderson's). Passed Ivan Klebnikoff's camp about 5 miles further on (near beginning of high coast. Bluffs (20-30 ft. high). Rather rough ice for about a mile

Humphrey Point, Alaska.

Dec. 11 (Thurs)

along the high bluffs, then about four miles of fairly smooth ice to the Polar Bear. Tracked ca. 42 miles today.

Very clear, calm morning. Moon nearly full. Mr. Dixon taking moonlight photo of camp tonight.

The only specimens collected here since I was here last are an Ivory Gull and a Black Mouse (melanistic). Mr. Dixon says it corresponds in measurements, texture of hair, etc. with the common species of Microtus found here in the fall. No other mice have been caught here lately.

Polar Bear — a large one was killed near Belvedere lately — I seen on ice about ten miles out, and killed about ten miles from the ship.

Seals — none killed near here for a long time — open water too far off shore, although dark "water-sky" is visible at times

Humphrey Point Alaska.

Dec. 12. (Fri.) Cloudy. Calm.

Cloudy. Calm weather, or only a very little air stirring. Warmer than yesterday. Remained at Polar Bear today, writing some letters and letting the dogs rest.

One of the men came in the evening with news that there was a lead of open water six or seven miles off shore, outside of the big pressure ridge, opening a mile or two wide. He had shot one seal, but it was out in young ice where he could not recover it.

Wind.
W 38 hr.
W 17 "
SW 11 "
Drifting and snowing at 8:00 a.m. C.P.
Overcast p.m.

Max. Min.
-5 -13
-4 -5
-3 -5

Humphrey Point, Alaska.

Dec. 13. (Sat.)

Clear. Calm. Cold. Decided to go out for a chance at Seals, as this is the first opening held since October. Went out with sled straight north from "Polar Bear", crossed a pretty rough ridge, and found that the lead had closed up and the ice moved a little to westward. Young ice in a few long, irregular cracks.

Snowy Owl - one was seen today.

Sglum arrived from the eastward with two saddles of Caribou for the schooner. Caribou were killed in or near the mountains early in the fall. Said that he had killed meat too far back to haul it in, and had given some to the "Belorderes" if the ships people would haul it. Sleds had gone out for the meat and consumed two weeks in the trip out and back.

Coney or Pika - Sglum tells of having seen animals on mountain tops which Mr. Dixon thinks must be Pikas. He (Dixon) has many specimens from Siberian side.

Wind. SbE 1+ E 1+ E 5.

Cloudy a.m. Overcast p.m.

Max. Min. -3 -11 -12 -18 -14 -14

Humphrey Point – Icy Reef.

Dec. 14. (Sun.). Clear in early morning. Calm at 1.00 a.m. Cloudy at 10.00 a.m. with light S.W. breeze, and snow commencing to drift along the ground. Drifting pretty thickly along the ground in the afternoon. Sky covered in evening. People at Polar Bear are irregular about hours, and today breakfast was at 11.30 a.m. Started for "Belvedere" 12.35 p.m. and arrived at the ship 2.55 p.m.

Clear in early morning. Cloudy at 10 a.m. Wind S.W. in evening. Snow drifting.

W 11 hr.
W 44 " Blg.
W 44 " .

Max. -10.5, -9.0, -9.8 Min. -14.0, -13.0, -16.0

Dec. 15. (Mon.) Clear a.m. Light S.W. wind. Cold morning. Wrote letter to Dominion Meteorological Service asking them to send us a Mercurial barometer, or for authorization to the R.N.W.M.P. to turn over to us the old barometer at Herschel Island.

Clear light S.W. wind.

W 12 hr
W 10 "
W 10 hr.

Max. Min.
-11.0 -18.5
-17.0 -19.5
-17.5 -21.0

Nuligak arrived at ship today. He had caught one White Fox along the road.

Icy Reef — Humphrey Point

Dec. 16. (Tues.). Clear a.m. Cloudy p.m. Wind west, strong and snow drifting all afternoon. Clear again in evening. Light air stirring from Eastward. Left "Belvedere" and went over to "Polar Bear". Mr. Boyle (mate) gave us some Polar Bear meat for dog-food. Bought one Miners' shovel (pointed) from Capt. Cottle.

Clear a.m.
Cloudy p.m.
Wind west.
Snow drifting.
Wind W 9 var — 0 — S&W 6 var.

Moonlight photography — On night of Dec. 13th (full moon and clear night) Mr. Dixon made a photograph of their houses (full opening 30 seconds exposure). Negative showed full detail of houses, sled, etc., and the schooner out on the ice about half a mile away. Moonlight photograph was much clearer than photographs taken at noon. Dixon uses about two seconds exposure at 12 m. on clear day.

Max. Min.
-19. -24.5
-17. -21.°
-17. -30.

Humphrey Point, Alaska.

Dec. 17. (Wed.) Clear. Light East wind. Almost Calm. -30° F.

Wind. SW 4 mi. SW 3 " SW 2 "

Max. Min. -26. -30 -26.7 -30 -28 -32.5

Clear. Light E. wind. Almost calm. Left "Polar Bear" at 11:0 a.m. and reached Ole Anderson's Camp at 3:15 p.m. Anderson has a small tent inside of a snow house, with all of his stuff inside, and as Ivan the Russian was with him today, we had to make a snow house outside. There was still some daylight when we arrived, but we stopped for an hour in his house, and when we came out the moon had set, leaving it pretty dark. We could find no good snow to cut blocks out of — packed too hard for cutting and drifted into cleavage planes at different angles, so that it was very difficult to get out good blocks. It was so dark that I could not see to trim the blocks square, or see whether I was putting up a round or rectangular wall, without feeling around. Took some three hours to make camp.

Manning Point to Okpilak River.

Dec. 18. (Thurs.). Clear a.m. Cloudy p.m. Light East wind.

Wind E 3 nav E 27 " E 14 "

Max. Min. -27. -32. -25. -31.5 -26.5 -32.5

Clear a.m. Light Easterly wind. Wind gradually increasing during the, drifting along surface of ice in little streams by noon, and fairly thick a foot above the ground. On trail 9:00 a.m, keeping further outside of the hummocks at mouth of Jago River than on trip east. Passed along outside of Barter Island (high black bank 20-30 ft. high). Missed the native houses on low spit. Followed spit at west end of the island (passing a loaded rack cache) to termination of spit, then along a sled trail across to the mouth of Okpilak and Hula-hula River spits. Reached Aiskuk's cache about 2:00 p.m. and found a native named Tiriglok (with his family camped there. He informed me that Mr. Stefansson and another man had gone east with a sled today, looking for me. He was very much excited about the news.

Okpilak River, Alaska.

Dec. 18. (Thurs).

We immediately crossed over to the mainland to Jas. Crawford's house and found Crawford and Andrew Koram there. They said that Stefansson and Capt. Bernard had gone East this morning and if they did not meet us at Ole Anderson's would return here tonight. They arrived about an hour and a half later, having met natives who had given them news of us.

News from Northern party (Karluk)

Okpilak River — Collinson Point.

Dec. 19. (Fri.). Clear a.m. light east wind, increasing to blizzard at night. -30° at 2½ p.m.

Wind.
E 10 var
E 14 "
E 17 "

Max. Min.
-23. -28.
-24. -26.
-25 -26.

Clear a.m. Light east wind in morning, enough to drift snow along the ground. Calm for a short time around 10:00 a.m. East (or south east) wind started up again about 10:30, increasing all day, until it was blowing a small blizzard by night. Discussed a few matters with Stefansson, principally in regard to additional supplies for the new Northern party, or for the Southern party to replace stuff taken to outfit the "Mary Sachs" for independent exploration. Mr. Stefansson is going on to the "Colvville" hoping to catch the mail there and perhaps go on to Herschel Island. Mr. Stefansson's reports to Ottawa from Point Barrow detail news of Karluk and set forth as the prime object of the expedition the exploration of the unknown seas around Prince Patrick Island, and propose to carry out such purpose with the resources which are still left. I have tendered to Mr. Stefansson full charge of the expedition from now on,

Dec. 19 (Fri).

Mr. Stefansson asked me to retain the direction of affairs, practically to shift his responsibility while actually outlining certain plans with which I can not agree at present, and carry out my obligations to the southern party. Matters in statu quo until Mr. Stefansson's return.

Stefansson and Olsen started east at 11:30 a.m. and Cox. Bernard and myself started west at the same time. Reached Nahmens' house at 2:30 p.m. Mr. Blow is helping him haul logs to build a new house on top of the bluff. His house was built in a sort of gully-like depression and drifts deep with every storm. Stayed about an hour and reached some time between five and six — the snow drifting pretty thick by that time, although stars were shining.

The trip of Bernard and Fred was unsuccessful. They saw some Ptarmigan but killed only two as the birds were wild.

Collinson Point, Alaska.

Dec. 20. (Sat.) Cloudy. Strong westerly blizzard all day, and snow drifting in a blinding flurry. Much warmer than yesterday.

Cloudy. Strong west blizzard.

wind	Max.	Min.
E 16 var	-20.	-27.
E 23 "	-18.5	-20.5
E 23 "	-17	-19.0

Dec. 21. (Sun.) Cloudy, dark day. Blizzard from east continued all day, drifting thickly, and filling everything which gives a recess, with fine powdery snow. Dug into store house and got out Wilkins Cinematograph projection machine for inspection and testing.

Blizz'd from East.

wind

	Max.	Min.
E by S 22	-10.°	-18.°
" 22	-10.°	-10.°
" 22	-10.0	-10.5

Dec. 22. (Mon.) Cloudy. Blizzard from East all day. Mr. Blue caught a Fox near Nahmens' house Dec. 13th. No. 140. ♂ 898-312-158. weight 7 lb. 7 oz.

East blizzard.

wind

	Max.	Min.
E by S 30 dy	-9.°	-11.0
" 36 "	-9.°	-10.5
" 18 gusty	-9.0	-10.°

Collinson Point, Alaska.

Dec. 23. (Tues.). Strong East wind.

Wind
SbE 11 m
EbS 6 "
EbS 12 "

Max. Min.
-9° -14.
-11° -15.3
-10.5 -15°

Strong East wind, lighter wind in morning, but increasing towards night. McConnell and "Stay" came home early in the morning. They had been storm-bound for three or four days at Chas. Thompson's house, then "Stay" complained of sickness and did not want to go to Flaxman Island, and McConnell decided to come back. Sent "Fred" and some more dogs with him and they started for Flaxman Island at 11.30 a.m.

Capt. Bernard and others started an additional snow house to accommodate the additional dogs of the party. The rest of us dug a tunnel, or rather a deep ditch, through a six and eight foot drift between house and storehouse, and roofed part of it over. Wilkins got the projection machine to work in evening and ran through some moving pictures

Collinson Point, Alaska.

Dec. 24. (Wed.). Strong east wind. Snow drifting.

Wind E6S 12 Sky. E18 " E11 "

Max. Min.
-13.0 -21.
-19.5 -24.
-19.5 -23.

Strong east wind and snow drifting pretty thickly. Continued work on tunnel and sheds most of the day. -20 a.m. -18 p.m. McConnell and Fred returned with Mr. Hefflinwell. They had met him between here and Flaxman Island and stayed over night at a native's camp. Aiaktuk also arrived from west. Pikalo and his wife ____ (a cross-eyed woman), with Aiaktuk's two boys and one of Tiriglotis boys came from Barter Island on Stefansson's invitation. Stefansson and Olsen had been storm bound at their camp for three or four days, and sent a message that they would probably go on to Flaxman Island. Jas. Crawford arrived in the Evening. He had started in the morning with Andrew Noraun (cook of "Mary Sachs") and walked from his house at mouth of Utpiatok River. Noraun had been tired when they reached Captain Nahmeun's house in the afternoon

Dec. 24 (Wed.)

and after making a fire and having coffee, Harold decided to stay there over night, while Crawford walked over here alone. Captain Nahmens and Blue had left the house before they arrived there and reached here earlier in the day.

Wilkins ran through some more cinematograph films in the evening

Dec. 25 (Thurs.)

light East wind. Snow drifting along the ground all day. About -18°. Sky Clouded up in evening. Fred went over to Nahmens' with Bernard's team to meet Harold - or bring him home. He returned about 9:00 p.m. saying that Harold had left the house some time before he arrived, as stove was cold. Fearing that Harold might have lost himself, I sent two sleds back again with volunteers (Crawford, Nahmens, Blue, Thompson and Fred). Ahnighito followed the straight

light East wind Snow drifting. About -18°.

E&S 21 sty
" 10 "
E 10 "

Max. Min.
-18° -23.5
-18° -18.5
-18° -19.1

Collinson Point, Alaska.

Dec. 25. (Thurs.) route across the bay and the other followed the land around, but found no trace of Koram or his tracks. Sky clear, but snow was drifting pretty thickly along the ground, and it was pretty dark when they got back — too late to send out any more searchers with hope of finding anything — as it is in the dark of the moon.

Kopak, his wife Ōnenja, Taklumanna (Aiatuk's wife) and two small children arrived from west about noon. Kopak's face was pretty badly frost-bitten facing the wind. Kopak brought me some Caribou meat for a Christmas present.

Arctic Fox. Chipman found one fox in two traps at end of sand spit — frozen dead (Olsen's traps) #142 ♀ 8.35-3.10-138 Wt. 6 lb. 6 oz.

Christmas dinner at 3.00 p.m., much added to by plum-pudding, sweets, cigars, cigarettes, &c., from Christmas box presented by ladies of Victoria, B.C. Dinner followed by

Dec. 25 (Thurs.) selections of Gramophone music, distribution of presents from small Willow tree decorated with tinfoil, cotton and colored tissue paper. Entertainment closed with moving pictures, which were greatly appreciated by the Eskimos.

Gave Eskimos some small presents, and some food for Christmas spread — 1 box hard bread, ca. 6 lbs. bacon, ca. 5 lbs. beans, 5 lbs. sugar, 2 lbs. tea, 5 lbs. dried apples.

Paid Pikalo 25 lbs. sugar, 5 lbs sugar, and ½ lb. tobacco on account of stuff borrowed from him by Stefansson at Baster Island.

Dec. 26. (Fri.). Clear. Light SE wind. Snow drifting lightly along the ground during the forenoon. Wind lowered in the afternoon. All hands started out at daylight to look for Karon. Sent Blue out along the Edge of rough ice off shore, Bernard's sled along the Beach, and

Clear. Light SE wind.
ENE 18 Stg.
E 6 "
E 6 "

Collinson Point, Alaska.

Dec. 26 (Fri.). Noon ENE 18 E 6 E 6

Max. Min. -15.4 -19.0 -17.0 -19.6 -18.6 -20.0

McConnell with sled along the tundra near coast. Others went around bay, while I skirted the hills to the eastward, keeping about one to two miles from the coast and looking down all the gullies with the glasses. Reached Nahmens house at 1:20. and met the sled men who had searched the ice and tundra for several miles around, but without finding any trades of Narom. Reached home after dark, and found Narom there. He had been found wandering around on the tundra about half a mile south of the "Alaska." He seemed to be in a semi-delirious state, but had only his face, hands, and feet slightly frosted. He said he had left Nahmens house about 8:00 p.m. Dec. 24th, intending to walk to the Collinson Point house, but failed to find it. Otherwise, he had no very clear idea of how he had spent the two nights and one day he was absent. He was irrational at times during the evening

Collinson Point, Alaska.

Dec. 26. (Fri.) Saw quite a number of Fox tracks on the tundra, but no signs of other animals.

Dec. 27 (Sat.). Clear. Cold. Fairly strong east wind. Snow drifting slightly. Spent all day completing snow-sheds and dog-house. Billy (Nathlesiak) came in from the east. He caught me White Fox today, and has caught twenty-four up to date.

Clear
Strong East wind.
-28° a.m.
-18° p.m.

E 8 St'y.
E 16 "
E 16 "

Caribou-Kopak gave me a saddle of Caribou-meat today. He said he had killed eight one day west of the Shaviovik River, but had not seen any for some time.

Max. Min.
-18.° -28.5
-25.° -29.5
-28.° -32.5

Blue started making a large water-tank (square) to set alongside of the stove for the purpose of melting ice for house use. Nahmiens started to walk home to his house.

Collinson Point, Alaska.

Dec. 28. (Sun.) Clear. Light East wind.

Wind ENE 20 gusty
E 12 s'b'y
E 7 "

Max. Min.
-29.° -32.5
-20.6 -30.7
-28.7 -32.0

Clear. Light East wind. Snow drifting a little. Cold.

Tried to get some dog-food from Nathaniak. He has a quantity of seals, whalemeat and flubber cached on Tigvariak (Shaviovik Island) in one ice-house, some more on the high island in middle of Sharavanaktuk (Sawanuktoo delta) and some more on another island west of there. He did not care to sell any, as he says he is going to remain out there for two months or more, if the fox-trapping is good. He said, however, he is going west tomorrow and that if we wanted to send a sled along, he would help dig out the whale-carcass on mud-flats a few miles north of the Sharavanaktuk island. Also, if it is not practicable to get out meat or flubber from the carcass, he would give us enough dog-food for the return trip. Decided to send Bernard with one sled, and McConnell with another, with Ikey (Eskimo) as assistant. Consider

Dec. 28. (Sun.)

that two sleds could bring back twice as much meat, and it would require the same amount of labor to make the Camps I enroute anyway. Decided to send McConnell because he had been to the spot last month and should know the local conditions, also because he knows the eighteen sled dogs from which our team had to be selected, and there seemed no more necessary work to occupy him here. McConnell objected to going at first, saying that he did not consider himself here as a hired man, but rather as a guest from the Northern party, but finally decided that he would go anyway.

It is going to be a problem to feed the surplus dogs from now on — Stefansson brought in 18, and has gone East intending to buy more, and if we have to supply him with dried fish and pemmican for his projected ice trip, it will upset a number of our calculations. My supplies and dog food for the Southern party considered

Collinson Point, Alaska.

Dec. 29, (Mon.) Clear a.m. light East wind, shifting to South and west.

Wind E 3 m. WSW 6 " SSW 3 "

Max. Min. -30.5 -39.° -38.° -40.° Frozen. -42.°

Clear in early morning and during most of the day. Light East wind in the morning. Cold (-40) but pleasant outside, as wind was very light. Wind shifted to south about 11 a.m. and soon to west, but very light. Temperature soon rose 3°, to -37°, but the air felt colder, coming off the ice and probably water to Westward. Wind shifted back to East in evening.

Loaned Crawford four dogs (Snowball, Analpat,). and N.Y. sled, - dogs left over after Bernard and McConnell had selected their teams. He took some dog rice along, and will look after the dogs until Stefansson and Ilse come back from Herschel Island. Pikalo and Aiatuk started East at the same time. To the westward, Billy's sled started off first, Bernard a little later, and McConnell last. They expected to camp at Laffing wells house at Flaxman Island tonight.

Collinson Point, Alaska.

Dec. 29. (Mon.) The rest of the men at the house got up enough firewood for several days. Fred is taking care of dogs during Bernard's absence (Blue's five dogs, and three Cripples from the other teams).

Gave Pikalo's wife eight Reindeer legs to make a pair of long stockings. Have only one pair to go with my short caribou skin breeches, which I prefer to the long pants worn by the others here.

Dec. 30. (Tues.) Cloudy. Fairly strong East wind. Snow drifting a little M.T. – 45°.5

Cloudy. Fairly strong East wind. M.T. –45.5

Skinned four Old squaw Ducks (in changing full plumage) for specimens. They have been frozen hard since Oct. 2. Gave Onunja (Kopaki's wife) 30 small fawn skins (unborn fawns) to make two parkas for Expedition, also cotton tweed cloth for lining same. Payment to be enough skins to make parkas for two small children. Paid also 1/4 T. of B. tobacco.

E 9 a.m.
E 12 "
E 10 "
Max. Min.
–33.7 –45.5
–31.° –34.2
–29.6 –33.0

Collinson Point, Alaska

Dec. 31. (Wed.) Clear a.m. Fog during middle of day. Clear in evening. Wind East.

Clear in early morning. Light East wind. Thick fog during middle of day, so that the "Many Sacks" could only be seen at intervals. Snow drifting very little. Skinned one Gloucous Gull and two Black Brant (the former had been frozen since August 27th and the latter since September.

E 6 N 14 Hazy.
E 15 Foggy
E 10 Clear.

Max. Min.
-23.° -31.° Clear at midnight
-17.° -23.° Foggy towards noon. Light snow
-18.° -23.° Clearing off at 8:00 pm

R. M. ANDERSON---C. A. E. Field Notes. Make 2 copies.

Type notes on paper 8" wide (8"x10" or 8"x12").
Leave margin on left side not less than 1½ inches wide.
Single space the notes, with double space between paragraphs.
Insert locality at head of entry under each date.
Paragraph wherever I have paragraphed.
Make a separate paragraph for each species under each date,
no matter how brief the note, separating the paragraphs
by double space. — *Important as I wish to cut the notes up for card-filing under subject heads.*

Example:

August 25, 1913. POINT BARROW, ALASKA.

Cloudy all day. Snow in afternoon. Wind NE in forenoon. Went ashore in afternoon and walked east to east end of sand-spit island. Water too shoal for ALASKA within line of grounded ice, etc., etc.

AUG 25 1913

Old-squaws.---A few seen.

Sabine's Gull---Numbers seen flying east along the sand-spit but never stopping. Shot two but one drifted out of reach.

#40. ♀ Xema sabinii. ad.

Pacific Loon---A few seen.